

Thomas Taccone
USEPA Region 2
Emergency and Remedial Response Division
New York Remedial Branch
New York Remediation Section
290 Broadway, Floor 20
New York, NY 10007

November 16, 2012

Lauren Charney
USEPA Region 2
Office of Regional Counsel
New York Caribbean Superfund Branch
290 Broadway, 17th Floor
New York, NY 10007-1866

Re: Request for Information Pursuant to the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. § 9604(e) Concerning the Eighteen Mile Creek Site in Niagara County, New York

Dear Mr. Taccone & Ms. Charney:

On behalf of VanDeMark Chemical Inc. ("VDM"), I am writing to respond to the August 28, 2012 Request for Information (the "RFI") from the United States Environmental Protection Agency ("EPA"), concerning the Eighteen Mile Creek Superfund Site (the "Site"). The response date for this submittal is November 19, 2012, pursuant to the October 24, 2012 email of Ms. Charney.

General Objections

1. VDM was incorporated and began its operations in 1951. Therefore, the only production, operation, waste generating, or disposal activities of VDM that could be responsive to the RFI would relate to the time period after 1951.
2. VDM objects to the RFI to the extent that it is indefinite, vague, ambiguous, overly broad, and unduly burdensome.
3. VDM objects to the extent that the RFI seeks documents in the possession of EPA or the New York State Department of Environmental Conservation ("NYSDEC") or otherwise

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in the public domain, because the burden of searching for and retrieving any such documents is the same (if not easier) for EPA, and because those documents that VDM might select from the public domain are protected from disclosure by the attorney work product privilege.

4. VDM objects to the RFI to the extent it requires production of information that is protected from disclosure by the attorney work product or the attorney/client privileges.

5. VDM objects to the RFI to the extent it seeks information that is not relevant or reasonably calculated to lead to the discovery of information relating to the origin of hazardous substances found at the Site, outside the scope of what may be permissibly sought under Section 104(e) of CERCLA, or not otherwise required to be produced under federal or state law.

6. VDM objects to the scope of the RFI on grounds that it is overly broad and unduly burdensome because it seeks information concerning VDM over a time period spanning more than 63 years, and concerning property currently owned by VDM that spans multiple owners for an indefinite period of time.

7. VDM objects to the scope of the RFI on grounds that it is overly broad and unduly burdensome because it seeks information concerning all of Eighteen Mile Creek and "its tributaries (including the New York Barge Canal, formerly, the Erie Canal) and all other properties that may impact or may have impacted the Site."

8. VDM objects to the scope of the RFI to the extent it requests "all" copies of documents concerning various topics, on grounds that such requests are overly broad and unduly burdensome, and production of all such documents would be unnecessarily duplicative. VDM will produce available responsive documents and, when fewer than all responsive documents have been produced because of redundancy, will advise EPA and will consider a request to produce additional documents upon request.

9. VDM has made a diligent and good faith effort to locate responsive information in its possession. These responses are based on a review of those documents, and a reasonable and good faith inquiry of employees currently employed with VDM. However, the RFI requests information extending back to 1951 concerning VDM, and earlier concerning the Site, both periods of which extend beyond the scope of personal knowledge held by VDM's current

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employees and information contained in VDM's documents. VDM's responses are based only on the information reasonably available to it. VDM reserves the right to modify and/or supplement these responses in the future, as appropriate, if additional responsive information becomes available to it. VDM also is producing documents, from which requested information may be found, and relies on these documents in lieu of providing the requested information because the burden of obtaining that information from those documents is the same for EPA as it is for VDM.

10. VDM objects to the RFI to the extent it seeks to require VDM to respond on behalf of any person other than VDM.

Responses and Specific Objections:

Please provide the following information on your Company:

1a. State the current and all former names of your Company.

Response:

1. VANDEMARK CHEMICAL INC. – since June 8, 2007;
2. ISOCHEM, Inc. – from February 14, 2004 until June 8, 2007;
3. VANDEMARK, INC. – from January 3, 2000 until February 14, 2004; and
4. VAN DE MARK CHEMICAL COMPANY, INC. – beginning when incorporated in June 8, 1951 until January 3, 2000.

1b. Identify the state and date of incorporation and your Company's agents for service of process in the state of incorporation and in New York State. Provide a copy of your Company's articles of incorporation or other such documents which established the Company.

Response: See documents attached hereto, at tab 1. VDM was incorporated in the State of New York on June 8, 1951. Its address for New York Department of State service of process is 1 North Transit Road, Lockport, New York, 14094-2323.

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1c. Identify and provide the addresses of the President, Chief Executive Officer, Chairman of the Board, or other presiding officer of the Company.

Response: The Chief Executive Officer of VDM is Michael A. Kucharski, P.E. His address is 1 North Transit Road, Lockport, New York, 14094-2323.

1d. Describe the nature of the business conducted by your Company.

Response: VDM manufactures phosgene, specialized chlorine derivatives, and other custom and specialty chemicals used in the pharmaceutical, agricultural-chemical, polymer, and fine chemical industries.

1e. Identify any predecessor or successors of your Company.

Response: VanChem, Inc. was a wholly-owned subsidiary corporation of VDM that was incorporated in 1983, and then merged into VDM and ceased to exist in 1999. There are no other predecessors or successors of VDM or VanChem.

1f. If your Company is a subsidiary, division, branch, or affiliate of another corporation or other entity, identify each of those other entities and those entities' Chief Executive Officers or other presiding officers. Identify the state of incorporation and agents for service of process in the state of incorporation and in New York State for each entity.

Response: VDM is not a subsidiary, division, branch, or affiliate of another corporation or other entity.

2. List the properties that your Company or its predecessors, subsidiaries, or affiliates currently owns or operates or previously owned or operated, within 5 miles of the shoreline of Eighteen Mile Creek or one of its tributaries (including the New York Barge Canal,

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formerly, the Erie Canal) and all other properties that may impact or may have impacted the Site. For each property, provide the following information:

Response: The current plant site operated by VDM is located at 1 North Transit Road Lockport, NY 14094-2323 (the "VDM Facility"). VDM also owned (until 1999) and operated (from 1951-1982) a nearby landfill, located approximately 275 yards west of the VDM Facility, that was closed with NYSDEC approval in 1988.

2a. State the name, address, and the nature of your Company's interest (ownership, lease, etc.) in the property. Identify the dates of your Company's interest and provide copies of all documents concerning this interest (e.g. deeds, leases, etc.).

Response: In 1951, VDM acquired certain assets of Niagara Chlorine Products, including its manufacturing plant then located at 1 North Transit Road in Lockport (the "VDM Facility"). VDM did not assume or succeed to any Niagara Chlorine Products liabilities.

The VDM Facility is separate from and does not include the Milward Alloys facility to the north or VanChlor facility to the west. VDM is responding to the RFI solely with respect to VDM and the VDM Facility, and not in any respect to Milward Alloys or VanChlor.

VDM has not operated at any other location in the Lockport area, other than landfilling activities at the landfill located approximately 275 yards west of the VDM Facility, which began in 1957 and continued until 1982, after which the landfill was closed in 1988 pursuant to a NYSDEC consent decree (the "VanChlor Landfill"). Ownership of the VanChlor Landfill was transferred to VanChlor in 1999, and both by contract between VDM and VanChlor and pursuant to a permit with NYSDEC (DEC No. 9-2909-00049/00003), VanChlor assumed future responsibility for post-closure care, including operation and maintenance, of the landfill.

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VDM is producing the main deed to the VDM Facility; additional deeds to various parcels now comprising the facility, or reflecting transactions with the local municipality, can be produced upon further request.

2b. Provide a detailed description of the operations, processes, and business activities at each property. If the operations changed over time, indicate the nature of the changes and the dates the changes took place.

Response: VDM began operations at the VDM Facility shortly after it was incorporated in June 1951. VDM did not exist and did not conduct any operations (in Lockport or anywhere else) prior to June 1951. VDM also has not conducted operations at any other location (than the VDM Facility).

From 1951 to the present date, VDM has manufactured phosgene by reacting carbon monoxide and chlorine gas as raw materials. Silicon tetrachloride was manufactured by VDM from the 1950s until 1985, by reacting silicon carbide and chlorine gas as raw materials. Only in the 1950s, titanium tetrachloride was manufactured by VDM, by reacting an unknown titanium compound and chlorine gas as raw materials. VDM manufactured aluminum chloride, by reacting aluminum and chlorine gas, from the 1951 until the 1960s, when those operations were transferred to VanChlor. Chloroformates and isocyanates (such as p-toluenesulfonyl isocyanate) have been manufactured by VanChem (from the early 1980s until 1999) and VDM (since 1999) by reacting phosgene, amines, alcohol and other solvents as raw materials. Various other chlorine and phosgene derivatives, and small quantities of specialty or custom chemicals, also were manufactured by VDM over the years, most or all of which involved reacting chlorine or phosgene as the principle raw material.

Based on VDM's reasonable inquiry and present knowledge, since 1951, VDM has not used as a raw material or manufactured as a product any of the following: PCBs, heavy metals (specifically including lead, copper or zinc), organochlorine pesticides, dioxins, furans, or polycyclic aromatic hydrocarbons ("PAHs").

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2c. If your Company has leased any portion of the property to another entity, please identify the entity, the nature of its operations, and provide copies of any leases.

Response: Except for the operations of VanChem within the VDM Facility from the early 1980s until 1999, VDM has not leased any portion of the VDM Facility to another entity.

2d. Provide copies of any maps, property plans, or floor plans, both current (if still in operation) and past, of each property. The floor plan should depict all drainage sumps, above-ground and below-ground discharge piping, and above-ground and underground storage tanks.

Response: See documents attached hereto, at tab 2. VDM is producing a representative sample of the plans and maps; additional versions can be produced upon further request.

2e. Provide any historic photographs including aerial photographs and photographs showing construction, industrial or commercial processes, outfalls, and indoor and outdoor storage of materials or products.

Response: See documents attached hereto, at tab 2.

2f. Provide copies of all reports, information, or data you have related to the geology, soil, water (ground, surface, and storm water), air and the overall environmental conditions at each property.

Response: See 2011 Phase II Environmental Site Assessment by Environ for the VDM Facility. See also index of additional reports reflecting subsurface sampling and analytical data for the VDM Facility, copies of which will be produced upon further request.

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3. List all hazardous substances and industrial wastes that are or were used, stored, generated, handled, or received by each property identified in your response to question 2. Be as specific as possible in identifying each chemical or waste stream, and provide, among other things, the chemical name, brand name, chemical content, and the process it was used for at each property. State when and what volume or weight of each hazardous substance and industrial waste was used, stored, generated, handled, or received at each property.

Response: See documents attached hereto, at tab 3. See also responses to Question Nos. 3(c) and 4.

Based on VDM's reasonable inquiry and present knowledge, since 1951, VDM has not generated as a manufacturing production waste any of the following: PCBs, heavy metals (specifically including copper, lead, and zinc), organochlorine pesticides, dioxins, furans, or PAHs.

3a. Provide copies of all Material Safety Data Sheets and Right-to-Know Notices for raw materials used at each property.

Response: Attached to this response, at tab 3, is a list of all current Material Safety Data Sheets that VDM maintains at the VDM Facility, copies of which will be produced upon further request.

3b. Describe how each hazardous substance or industrial waste was stored at each property (e.g. underground storage tanks, above-ground storage tanks, etc.). Provide a map indicating the location where these substances were stored.

Response: See documents attached hereto, at tab 3.

In addition to the VanChlor landfill, waste management facilities located at the VDM Facility include: ST-26 90 day hazardous waste storage tank; 90 day waste storage areas located at C-10, B-7 and B-6; Satellite accumulation areas located at

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B-7, Lab (3), D-1, D-3 (2), Hot Oil Room, Dike Dk-5, and C-1 (2); and Elementary neutralization units PT-100, PT28, and NT.

3c. Explain in detail the manner of transportation or disposal of the hazardous substances and industrial wastes generated, handled, treated, or stored at each of the properties. Provide the names and addresses of all transporters and disposal facilities used for each type of hazardous substance or industrial waste generated. State when each transporter and disposal facility was used and identify the total volume or weight of material that was transported or disposed of by that entity. Provide copies of all documents that relate to your answers above, including but not limited to, invoices, manifests, hazardous substances, hazardous and industrial waste data and analyses or characterizations, contracts, and agreements with transporting, treatment, storage, or disposal facilities.

Response: See documents attached hereto, at tab 3. Silicon carbide powder reportedly was sold as a byproduct to various steel companies at various times prior to 1982. Waste limestone reportedly was reused off-site as a driveway filler, during at least a portion of the period from 1951-1988.

More recent transportation and disposal of hazardous substances and industrial wastes, for the period from 1999 to 2012, is reflected in the hazardous waste manifest logs maintained by the plant, copies of which are produced herewith; the manifests will be produced upon request. These manifests are characteristic of the types of industrial wastes that were generated, and transporters and disposal locations that were used, during the period from the early 1980s until 1998.

Based on VDM's reasonable inquiry and present knowledge, since 1951, VDM has not transported or disposed of the following manufacturing production wastes: PCBs, heavy metals (including lead, copper and zinc), organochlorine pesticides, dioxins, furans, or PAHs.

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4. State whether any hazardous substances and industrial wastes were ever released, discharged, or disposed of either intentionally or unintentionally at each property identified in your response to question 2. Your answer should address, but not be limited to, instances in which any volume of hazardous substances or industrial wastes were spilled, leaked, or caught fire from drums, tanks, or any other containers. For each release identified in your response to this question:

Response: Possibly since 1951 and continuing to the present time, VDM has used non-contact cooling water contained in a closed loop system in its phosgene and silicon tetrachloride processes, and to cool the temperature controllers and a Meyers mixer in the pilot lab. VanChem used non-contact cooling water to cool its scrubber system from the early 1980s until 1990. VDM (and VanChem when it operated at the plant) discharged this non-hazardous non-contact cooling water to Eighteen Mile Creek throughout their period of operation at the VDM Facility, possibly as early as the 1950s, and pursuant to a NPDES/SPDES permit from the 1990s to 2008.

Stormwater at the VDM Facility was historically discharged to the Creek, through drains located throughout the property until the early 1990s, when the drains were covered, the property regraded, and stormwater began to be managed as sheet runoff under a No Exposure Certificate and SPDES exemption.

For the period from 1951-1982, silicon tetrachloride sludge waste was drummed and disposed at the nearby VanChlor Landfill. From 1982 until silicon tetrachloride production ended in 1985, silicon tetrachloride sludge waste was drummed and disposed off-site.

During the period of silicon tetrachloride production, VDM generated a silicon tetrachloride effluent by passing water through a scrubber to cleanse emissions consisting of silicon tetrachloride, hydrochloric acid and chlorine, rendering the water a dilute hydrochloric acid. The silicon tetrachloride effluent then was neutralized by passing it over limestone before discharge. VDM believes this effluent was discharged to Eighteen Mile Creek until an unknown date prior to 1980, after which the effluent was discharged to the sewer until production

ended in 1985. Although a drawing from April 1984 indicates this effluent was still being discharged to Eighteen Mile Creek, VDM believes the drawing is incorrect.

Prior to 1988, effluent from the phosgene production process was neutralized with limestone and discharged to the municipal sewer. The phosgene effluent consisted of water that was used to treat emissions in the scrubber, and was converted to a dilute hydrochloric acid prior to its own neutralization. In the mid-1980s, an on-site pretreatment facility was constructed, and caustic from air and process scrubbers associated with VanChem (and later VDM) production of chloroformates and isocyanates was neutralized with acid before being discharged to the municipal sewer. In the early 1990s, carbon treatment of the phosgene, chloroformate, and isocyanate effluents was added, before its discharge to the municipal sewer.

As part of the phosgene production process, spent carbon catalyst is neutralized by running water through it and then disposed as a non-regulated solid waste. Historically the waste carbon catalyst was disposed on-site as fill or off-site in drums; since the 1980s the waste carbon catalyst has been disposed off-site in drums. Improvements in the catalyst component of the process were implemented in 1988/1989 that resulted in a ten fold reduction in the volume of waste carbon catalyst.

According to the EDR report and NYSDEC documents, 19 releases have been reported with respect to the VDM Facility, including: spills of 5 pounds of isopropyl chloroformate (1989), 100 gallons of ethylene glycol (1991), 20 gallons of #2 fuel oil (1992), 18 gallons of unknown petroleum (1992), 1/2 gallon of #2 fuel oil (1994), 150 gallons of hydrochloric acid (1995), 150 gallons of ethylene glycol and 20 gallons of chlorobenzene (1996), 300 gallons of ethyl acetate (1997), 10 pounds of diethylamine (1997), 100 pounds of phosphorous (1998), 25 pounds of MTBE (2004), 10 pounds of chlorobenzene (2006), and 197 pounds of toluene (2009); releases to the air of phosgene (1991), diethylamine (1997), and propargyl chloroformate (1999); a release of nitrophenol chloroformate during a fire (1993);

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an unregulated release from on-site sources to the sanitary sewer (1994); and a leak of acid into secondary containment (1994). All of these releases were addressed and received regulatory closure, although some were also referred to other programs.

There are no underground storage tanks presently at the VDM Facility. An approximately 500-1,000 gallon fuel oil UST was removed from the southern portion of the property in 1991. The tank was replaced with a 500 gallon No. 2 fuel oil above ground storage tank with secondary containment.

In 2006, VDM discovered an historic release of coal tar below the surface and above the bedrock within the VDM Facility. See Response to Question 5(b) for further information.

4a. Identify when and how each release event occurred.

Response: See documents attached hereto, at tabs 3 and 4, and response to Question 4.

4b. Identify the composition of each of the materials released, including the chemical content, characteristics, and form (solid, liquid, sludge, or gas), and the quantity of each material released.

Response: See documents attached hereto, at tabs 3 and 4, and Response to Question 4.

4c. Describe the method of release (spill, fire, leak, discharge, etc.) and how the material was containerized (if at all) at the time of release. Describe what response actions, if any, were taken to address these releases.

Response: See documents attached hereto, at tabs 3 and 4, and Response to Question 4.

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4d. Identify the locations at the property where each release/disposal occurred. Please enclose a map indicating the release/disposal location.

Response: See documents attached hereto, at tabs 3 and 4.

4e. If hazardous substances were disposed into drains or drainage areas, describe the nature and the approximate quantity of those wastes disposed each month, and the location to which those wastes drained.

Response: See documents attached hereto, at tabs 3 and 4.

4f. If any of the substances released into the environment from your Company's properties were treated prior to release, describe the treatment process, the years during which treatment occurred, quantities of substances treated, the chemical composition of discharged treated substances, and whether discharges were continuous or intermittent.

Response: See documents attached hereto, at tabs 3 and 4.

4g. If your Company or one of your Company's contractors, lessees, tenants, or agents ever contacted, provided notice to, or made a report to EPA, the New York State Department of Environmental Conservation, Niagara County, the City of Lockport, or any other government entity concerning an incident, accident, spill, release, or other event, provide copies of all communications between your Company and that government entity.

Response: See documents attached hereto, at tabs 3 and 4, and Response to Question 4.

5. Describe any environmental response actions (e.g. soil excavation, groundwater treatment, etc) performed at any of the properties identified in your response to question 2

and provide any documents concerning the response action. Identify the location, dates, and the results of all analyses or tests performed for each response action.

Response:

A. VanChlor Landfill Closure

From 1957 until 1982, VDM disposed of solid wastes generated during the former production of silicon tetrachloride at the VanChlor landfill, a 2.5 acre landfill site located near the VDM Facility on Mill Street. The silicon tetrachloride sludge waste was disposed in 55 gallon drums into trenches filled with limestone and backfilled to grade at the landfill site. Waste disposal at the landfill ended in 1982.

In 1988, VDM closed the VanChlor Landfill in accordance with a NYSDEC-approved Closure Plan that required placement of a final cover system consisting of 2 feet of clean clay, overlain by a drainage layer of sand and loam, and topped with vegetative growth. See documents attached at tab 5. VDM received a post-closure monitoring permit, which required it to monitor the landfill for 30 years. Ownership of the VanChlor landfill, and responsibility for the future operation, maintenance and monitoring under the NYSDEC permit, was transferred to VanChlor in 1999.

B. Coal Tar Remediation

During groundwater monitoring activities conducted in October and November 2006 at the VDM Facility, DNAPL was detected in one of the downgradient monitoring wells at the VDM Facility. Based on PAH concentrations in the DNAPL, the material was identified as coal tar. VDM recovered DNAPL from the well in January 2007, removing approximately 3.5 gallons of material. During subsequent monitoring of the well, further DNAPL was not detected. In 2011, Environ, as part of a Phase II investigation of the VDM Facility, installed a deeper well to evaluate whether coal tar had migrated vertically; however, no

evidence that coal tar migrated through the Power Glen Shale bedrock formation, to the Whirlpool Sandstone below, was found.

VDM never used, handled or stored coal tar at the VDM Facility. Based on a review of historical sources, VDM identified a coal tar pitch storage tank, depicted in a 1919 Sanborn map, as a probable source of the coal tar release. Fifteen soil borings were advanced in June 2010 in the area northwest of the phosgene production building, in the approximate location of the former pitch tank. Excavation of coal tar-contaminated soils in this area was completed in July 2011, under NYSDEC oversight.

In addition, a visual reconnaissance of the VDM Facility in January 2007 led to the discovery of solidified coal tar materials seeping from the ground along the toe of the steep hill south of the developed area of the VDM Facility. VDM removed solidified coal tar residuals from these seep areas in June and August 2007 and in October and November 2008, under NYSDEC oversight.

VDM entered into a consent order with NYSDEC and is implementing a corrective action program pursuant to RCRA to address the historical tar releases at the VDM Facility. See documents attached hereto, at tab 5.

C. Lead Excavation

Several environmental assessments and investigations conducted at the VDM Facility revealed that soil located under a paved area between two buildings used as maintenance shops in the central portion of the plant contain lead and polycyclic aromatic hydrocarbons. The lead and PAHs present at the VDM Facility were at concentrations above the NYSDEC soil cleanup objectives. Gnarus Advisors LLC prepared an Interim Corrective Measures Workplan ("ICM"), the objective of which was to remove soil containing lead and PAHs above the restricted use industrial SCOs, to the extent the soil was accessible. The excavation was completed in September 2012, and a closure report is being prepared at this time. See documents attached hereto, at tab 5.

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6. Identify all individuals who currently have or had responsibility for the environmental matters (e.g. responsibility for the disposal, treatment, storage, recycling, or sale of the Company's hazardous substances or industrial wastes) at the properties identified in your response to question 2. Provide each individual's job title, duties, dates performing those duties, supervisors for those duties, current position, and the nature of the information possessed by such individuals concerning the Company's waste management.

Response: Individuals who currently have or had responsibility for the environmental matters at the VDM Facility include Chris Banach (Environmental Manager since 2011), Pamela Cook (Environmental Manager from 2007-2011), and Matt Barmasse (Environmental Manager from 1988-2007).

Prior to Matt Barmasse, the production managers were responsible for environmental matters at the VDM Facility. During that period, the individuals who filled that role included Allan VanDeMark, Harry Sherriff, and Norm Matthews.

7. Provide copies of all local, state, and federal environmental permits applied for or issued with respect to any property identified in your response to question 2. Provide copies of all notices of violations, or administrative or judicial complaints filed by federal, state, county, or municipal governments and their regulatory agencies as well as copies of all judicial complaints filed by other persons, including corporate entities or public interest groups, concerning permit violations.

Response: See documents attached hereto, at tab 7.

8. Has your Company or any affiliate, contractor, or individual associated with your Company been a party to any litigation, either as plaintiff or defendant, that involved liability for contamination of or from any of the properties identified in your response to

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question 2? If yes, identify the litigation, describe the nature of your Company's involvement in the litigation, and provide a copy of the pleadings and any final order.

Response: Neither VDM nor, to the best of VDM's knowledge, any affiliate, contractor or individual associated with VDM has been a party to any litigation that involved liability for contamination of, or from, the VDM Facility.

9. Has your Company or any affiliate, contractor, or individual associated with your Company been accused of any criminal violation in connection with the operations at any of the properties identified in your response to question 2? If yes, describe the nature of the proceeding and provide copies of documentation associated with the proceeding.

Response: Neither VDM nor, to the best of VDM's knowledge, any affiliate, contractor or individual associated with VDM has been accused of any criminal violation in connection with the operation of the VDM Facility.

10. If applicable, describe the closure of each facility located at the properties identified in your response to question 2. Your answer should include, but not be limited to, when the closure of the facility occurred, how waste material was disposed of, and whether any waste material was left onsite.

Response: See Response to Question 5.

11. List all current or prior owners that you are aware of for each property identified in your response to question 2. If known, identify and provide copies of any documents of the following information for each prior owner:

Response: Prior owners of the VDM Facility include United Industrial Fibre Company (late 1890s until 1919), Niagara Lead Company (1928 until 1934), and Niagara Chlorine Products Corporation (1934 until 1951).

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Over the years, the City of Lockport has used eminent domain to acquire portions of the facility, for purposes of constructing roads, after which the property was then deeded back to VDM.

11a. the dates of ownership and operations conducted at such times;

Response: United Industrial Fibre Company operated a pulp company at 1 North Transit Road, Lockport, NY from the late 1890s until at least 1919. Niagara Lead Company leased and occupied a building in the western portion of the VDM Facility as early as 1928 until 1934 for the salvaging of lead products. In 1934, Niagara Chlorine Products Corporation occupied the western portion of the VDM Facility and the property to the north for the manufacture of chlorine products. In 1951, the VanDeMark family acquired certain assets of Niagara Chlorine Products Corporation, including the VDM Facility, and subsequently began operations as VDM.

See also Response to Question 2.

11b. any corporate affiliation between your Company and each such prior owner;

Response: There is no corporate affiliation between VDM and any prior owner or operator of the VDM Facility. Although VDM, Milward Alloys, and VanChlor were commonly owned and operated at one time by the VanDeMark family, VDM is not presently related or affiliated in any way with Milward Alloys, or VanChlor. VDM is not owned by any VanDeMark family member. None of VDM's current shareholders own any interest in Milward Alloys or VanChlor. None of VDM's officers or directors serve in any similar capacity as officers or directors for Milward Alloys or VanChlor. The only existing connection between VDM and Milward Alloys or VanChlor is an arms-length chlorine supply agreement between VDM and VanChlor. In addition, VDM does not possess any records relating to Milward Alloys or VanChlor.

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11c. release of hazardous substances and industrial waste at each property during the period of ownership.

Response: See response to Question 5(b) and (c)

12. Identify any current or previous insurance policies that may indemnify you or your Company against any liability that you or any entity may incur in connection with the release of hazardous substances or industrial waste at the Site. Please provide a copy of the policy. For any policy that you cannot locate or obtain, provide the name of the carrier, years in effect, nature and extent of coverage, and any other relevant information you have.

Response: See documents attached hereto, at tab 12.

13. Supply any additional information that may be used to identify additional sources of information or parties involved with the Site.

Response: There are several listings for off-site facilities within applicable ASTM search radii. A number of facilities appear on databases indicating potential contamination concerns, especially including the manufacturing facilities of the Harrison Division of General Motors Corporation, the Lockport Waste Water Treatment Plant, and an FMC manufacturing facility. Other potential facilities of interest include Norton Labs, Twin Lakes Chemical, and J.H. Products. VDM may supplement its responses to this RFI on a later date with information that identifies parties that may be involved with the Site.

14. State the name, title, and address of each individual who assisted or was consulted in the preparation of the response to this Request for Information.

Response: In addition to counsel for VDM, Chris Banach, Environmental Manager, Angela Muir, Process Safety and Environmental Engineer, and Michael Kucharski, Chief

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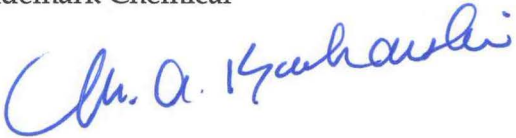
Executive Officer, all from VDM, assisted with or were consulted in the preparation of the responses to this RFI.

15. State whether any documents provided in response to this Request for Information have been claimed or marked confidential.

Response: No documents have been marked "confidential."

Very truly yours,

Vandemark Chemical

By 

Mike Kucharski

Oma/Doc # 01-2603192.4

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CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

State of New York

County of Niagara

I certify under law that I have personally examined and am familiar with the information and all documents submitted in response to EPA's Request for Information, and based on my personal inquiry or my inquiry of those individuals immediately responsible for obtaining the information I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that I am under a continuing obligation to supplement my response to EPA's Request for Information if any additional information relevant to the matters addressed in EPA's Request for Information or the company response thereto should become known or available to the company.

Michael A. Kucharski
Name (print or type)

President & CEO
Title (print or type)

Mr. A. Kucharski
Signature

Sworn to before me this 16th day
of November, 2012.

Ann Marie Werth
Notary Public

ANN MARIE WERTH
Notary Public, State of New York
Qualified in Niagara County
My Commission Expires 01-22-2014

State of New York)
Department of State) ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 7, 2007



A handwritten signature in black ink, appearing to be "D. J. [unclear]", written over the printed title.

*Deputy Secretary of State for
Business and Licensing Services*

DOS-1266 (Rev. 03/07)

CERTIFICATE OF INCORPORATION

of

Van De Mark Chemical Company, Inc.

Pursuant to Article 2 of the Stock Corporation Law.

We, the undersigned, for the purpose of forming a corporation pursuant to Article 2 of the Stock Corporation Law of the State of New York, do hereby certify:

FIRST: The name of the proposed corporation shall be Van De Mark Chemical Company, Inc.

SECOND: The purposes for which it is to be formed are:

8? To subscribe for, underwrite, purchase, or otherwise acquire, become interested in, deal in and with, invest in, hold either as principal or agent and absolutely as owner or by way of collateral security, and to sell, mortgage, pledge, or otherwise dispose of or turn to account or realize upon all forms of securities, including stocks, bonds, debentures, notes, evidences of indebtedness, certificates of indebtedness, certificates of interest, participation certificates, voting trust certificates and certificates evidencing shares of interest in common law trusts, trusts and trust estates or associations, certificates of trust or beneficial interests in trusts, mortgages and other instruments, securities, and rights, excepting bills of exchange, and to issue in exchange therefor, or in payment thereof, its own stocks, bonds, or other obligations or securities or otherwise pay therefor, and generally to do any and all acts and things for the preservation, protection, improvement and enhancement in value thereof or designed to accomplish any such purpose.

To purchase or otherwise acquire and to hold, own, manage, improve, lease, sell, exchange, mortgage or otherwise dispose of or deal in real estate and to construct, build, manage, and operate buildings, stores, apartments, hotels, factories,

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plants, farms and other industries for such consideration as the directors may deem just and proper, and to pay therefor in cash and/or in the paid-up shares or other securities of this or any other company.

To manufacture, purchase or otherwise acquire, own, mortgage, pledge, sell, assign, and transfer, or otherwise dispose of, to invest, trade, deal in and deal with, goods, wares, and merchandise and real and personal property of every class and description.

To acquire, and pay for in cash, stock or bonds of this corporation or otherwise, the good will, rights, assets and property, and to undertake or assume the whole or any part of the obligations or liabilities of any person, firm, association or corporation engaged in a similar business.

To apply for, obtain, register, purchase, lease, or otherwise acquire and hold, own, use, operate, introduce and sell, assign or otherwise dispose of any and all trademarks, formulae, secret process, tradenames, brands, distinctive marks, copyrights and all inventions, improvements, and processes used in connection with or secured under letters patent or otherwise, of the United States or of any other country, and any governmental grants, or concessions; and use, exercise, develop grant licenses in respect of or otherwise turn to account any and all such trademarks, patents, licenses, concessions, processes and the like, or any such property, rights and information so acquired.

To issue bonds, debentures or obligations of this corporation from time to time, for any of the objects or purposes of the corporation, and to secure the same by mortgage, pledge, deed of trust or otherwise.

To purchase, hold, sell and transfer the shares of its own capital stock; provided it shall not use its funds or property for the purchase of its own shares or capital stock when such use would cause any impairment of its capital; and provided further that shares of its own capital stock belonging to it shall

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not be voted upon directly or indirectly.

To have one or more offices, to carry on all or any of its operations and business and without restriction or limit as to amount to purchase or otherwise acquire, hold, own, mortgage, sell, convey, or otherwise dispose of real and personal property of every class and description in any of the States, Districts, Territories or Colonies of the United States, and in any and all foreign countries, subject to the laws of such State, District, Territory, Colony or Country.

To carry on the business of developing electronic, radionic radar controls and devices.

Making, purchasing and selling all goods of which rubber or synthetic rubber is a component part, and the various materials entering into the manufacture of any and all such goods, and also the acquiring and disposing of the right to make and use such goods, and materials, and the doing and transacting all acts, business and things incident to or relating to or convenient in carrying out its business as aforesaid, which are authorized by law.

To buy, sell, import, export, prepare for market, trade and deal in crude rubber, balata, gutta percha, and kindred products; also, reclaimed rubber, cured and uncured scrap rubber, etc.

To manufacture, sell or otherwise dispose of any products made of rubber, synthetic rubber, or any rubber composition either synthetic or natural, plastic or plastic composition, or any article in which rubber or plastic in any form or combination is used.

To develop and use atomic energy in any manner in which it may be developed or used either independently or in conjunction with some other object, material or substance manufactured or otherwise now known or which may hereafter be discovered.

To manufacture, buy, sell, import, export, trade in all types of chemicals and all gas producing materials, to generate

5024-83-3

produce, buy, sell, trade, deal in use gases in portable cylinders, or other metal containers, and to manufacture, buy, sell, and deal in all machinery apparatus devices appliances, fittings and accessories or conveniences for the use of such gases in any manner; also to manufacture or otherwise deal in all metallurgical, electro-metallurgical chemical and electro-chemical products and compounds, including any and all elementary substances and any and all alloys and compounds thereof.

To engage in any business, whether manufacturing or otherwise, which may seem advantageous or useful in connection therewith, and to manufacture, market or prepare for market any article or thing which the company uses in connection with its business.

In general to carry on any other similar business in connection with the foregoing, whether manufacturing or otherwise, and to have and exercise all the powers conferred by the laws of the State of New York upon corporations formed under the act hereinafter referred to, and to do any or all of the things hereinbefore set forth to the same extent as natural persons might or could do.

The foregoing clauses shall be construed both as objects and powers; and it is hereby expressly provided that the foregoing enumeration of specific powers shall not be held to limit or restrict in any manner the powers of this corporation.

THIRD: The total number of shares which may be issued by the corporation is two hundred shares, all of which are to be without par value.

Such shares without par value may be issued from time to time for such consideration as from time to time may be fixed by the Board of Directors.

FOURTH: The capital of the corporation shall be at least equal to the sum of the aggregate par value of all issued shares having par value, plus the aggregate amount of consideration received by the corporation for the issuance of shares with-

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out par value, plus such amounts as from time to time by resolution of the Board of Directors may be transferred thereto.

FIFTH: The office of the corporation is to be located at Lockport, Niagara County, New York, and the address to which the Secretary of State shall mail a copy of process in any action or proceeding against the corporation, which may be served upon him, is Lockport, County of Niagara, and State of New York.

SIXTH: The duration of the corporation shall be perpetual.

SEVENTH: The number of directors shall be three. The directors need not be stockholders.

EIGHTH: The names and post-office addresses of the directors, until the first annual meeting of the stockholders are:

<u>NAMES</u>	<u>POST-OFFICE ADDRESSES</u>
ALLAN W. VAN DE MARK,	28 Maple Street, Lockport, New York.
PHYLLIS B. VAN DE MARK,	28 Maple Street, Lockport, New York.
FRANCES H. BECK,	479 Willow Street, Lockport, New York.

NINTH: The names and post-office addresses of each subscriber of this certificate of incorporation and a statement of the number of shares of stock which each agrees to take in the corporation are:

<u>NAMES</u>	<u>POST-OFFICE ADDRESSES</u>	<u>NO. OF SHARES</u>
ALLAN W. VAN DE MARK,	28 Maple Street, Lockport, New York.	1
PHYLLIS B. VAN DE MARK,	28 Maple Street, Lockport, New York.	1
FRANCES H. BECK,	479 Willow Street, Lockport, New York.	1

TENTH: All of the subscribers of this certificate of incorporation are of full age, at least two-thirds of them are citizens of the United States, at least one of them is a resident of the State of New York, and at least one of the persons named as a director is a citizen of the United States and a resident of the State of New York.

ELEVENTH: The Secretary of State of New York is

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hereby designated as the agent of the corporation upon whom process in any action or proceeding against it may be served.

TWELFTH: The meetings of the Board of Directors shall be held only within the State of New York.

IN WITNESS WHEREOF, we have made, signed, and acknowledged this certificate this 15th day of May 1951

Allan W. Van De Mark
Phyllis B. Van De Mark
Frances H. Beck

STATE OF NEW YORK:
COUNTY OF NIAGARA: SS:
CITY OF LOCKPORT:

On this 15 day of May 1951, before me, the subscriber, personally appeared ALLAN W. VAN DE MARK, PHYLLIS B. VAN DE MARK and FRANCES H. BECK, to me personally known and known to me to be the same persons described in and who executed the foregoing instrument, and they severally duly acknowledged to me that they executed the same.

W. Alfred Brim

W. ALFRED BRIM—Reg. No. 144
Notary Public in the State of New York
Residing in Niagara Co. at time of Appointment
My Commission Expires March 20 1953

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May 18, 1951

FILED JUN 8 - 1951

FILE NO. 40-

Secretary of State
[Signature]
[Stamp]

VDM000

*State of New York } ss:
Department of State }*

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 7, 2007



A handwritten signature in black ink, appearing to read "D. A. [unclear]", written over the printed title.

*Deputy Secretary of State for
Business and Licensing Services*

DOS-1266 (Rev. 03/07)

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CERTIFICATE OF MERGER

CERTIFICATE OF MERGER OF TITAN CHEMICAL COMPANY, INC.
AND VAN DEMARK CHLORINE PRODUCTS, INC., into
VAN DEMARK CHEMICAL COMPANY, INC., UNDER
SECTION 904 OF THE BUSINESS CORPORATION LAW.

We, Allan W. Van DeMark and Phyllis B. Van DeMark,
being respectively President and Secretary of Van DeMark
Chemical Company, Inc., President and Secretary of Titan
Chemical Company, Inc. and Van DeMark Chlorine Products,
Inc. respectively, do hereby certify that, pursuant to
the plan of merger, said corporations have mutually
agreed to, and hereby do, unite and merge into a single
corporation under the name of Van DeMark Chemical Company,
Inc., pursuant to Section 904 of the New York Business
Corporation Law.

The date when the certificate of incorporation of
said Van DeMark Chemical Company, Inc. was filed by the
Department of State of New York was June 8, 1951. The
date when the certificate of incorporation of the said
Titan Chemical Company, Inc. was filed by the department

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of State of New York was November 16, 1953. The date when the certificate of Van DeMark Chlorine Products, Inc. was filed by the Department of State of New York was November 1, 1951. Van DeMark Chemical now has 3 shares of Capital Stock outstanding, all of which is common stock and fully entitled to vote. Titan Chemical now has 3 shares of Capital Stock outstanding, all of which is common Stock and fully entitled to vote. Van DeMark Chlorine now has 50 shares of Capital Stock outstanding, all of which is common stock and fully entitled to vote.

A plan of merger was initially agreed upon among the officers and directors of the above-named constituent corporations and was authorized and approved by all stockholders.

It will be noted from the above that VanDeMark Chemical Company, Inc. will be the surviving corporation when this merger becomes effective.

Such plan is to become effective immediately upon the filing of this Certificate of Merger by the

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Department of State of New York, and the surviving corporation shall have, thereupon and thereafter, such additional rights, powers, and liabilities, as are conferred or imposed by Section 906 of the Business Corporation Law and by the terms and conditions of the said merger plan.

IN WITNESS whereof, the parties hereto have executed this agreement and affixed the seals of the respective corporations this 20th day of June, 1969.

Corporate
Seal

VAN DEMARK CHEMICAL COMPANY, INC.

Alfred B. Tye
President

Thomas B. Van Gorkum
Secretary

Corporate
Seal

TITAN CHEMICAL COMPANY, INC.

Alfred B. Tye
President

Thomas B. Van Gorkum
Secretary

Corporate
Seal

VAN DEMARK CHLORINE PRODUCTS, INC.

Alfred B. Tye
President

Thomas B. Van Gorkum
Secretary

3

STATE OF NEW YORK)

) ss.:

COUNTY OF NIAGARA)

ALLAN W. VAN DEMARK, being duly sworn deposes
and says that he is the President of Van DeMark Chemical Company, Inc.
and Titan Chemical Company, Inc. and Van DeMark Chlorine Products,
Inc. respectively, that he has read the foregoing Certificate of Merger
and knows the contents thereof and that the statements therein are
true. That he was duly authorized by each of the aforesaid corporations
to sign the said Certificate.

Allan W. Van DeMark
President

Sworn to before me this

20th day of June, 1969

William Kahn

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SHAREHOLDER APPROVAL OF MERGER

WITHOUT A FORMAL MEETING

We, the undersigned, holders of the number of shares of the common stock of Van DeMark Chemical Company, Inc., set opposite our respective names, which shares in the aggregate constitute the entire outstanding stock of the Van DeMark Chemical Company, Inc., do hereby consent to the merger of Titan Chemical Company, Inc. and Van DeMark Chlorine Products, Inc. into Van DeMark Chemical Company, Inc., upon the terms and provisions of the Agreement of Merger dated June 20, 1969.

Dated: June 20, 1969

<u>Name of Stockholders</u>	<u>Number of Shares</u>
<u>Allan W. Van DeMark</u>	<u>3</u>

SHAREHOLDER APPROVAL OF MERGER
WITHOUT A FORMAL MEETING

We, the undersigned, holders of the number of shares of the common stock of Van DeMark Chlorine Products, Inc. set opposite our respective names, which shares in the aggregate constitute the entire outstanding stock of Van DeMark Chlorine Products, Inc., do hereby consent to the merger of Titan Chemical Company, Inc. and Van DeMark Chlorine Products, Inc. into Van DeMark Chemical Company, Inc., upon the terms and provisions of the Agreement of Merger dated June 20, 1969.

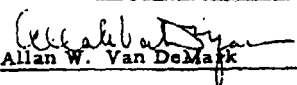
Dated: June 20, 1969

<u>Name of Stockholders</u>	<u>Number of Shares</u>
<u>Allan W. Van DeMark</u>	<u>50</u>

SHAREHOLDER APPROVAL OF MERGER
WITHOUT A FORMAL MEETING

We, the undersigned, holders of the number of shares
of the common stock of Titan Chemical Company, Inc. set opposite
our respective names, which shares in the aggregate constitute
the entire outstanding stock of Titan Chemical Company, Inc.,
do hereby consent to the merger of Titan Chemical Company, Inc.
and Van DeMark Chlorine Products, Inc. into Van DeMark
Chemical Company, Inc., upon the terms and provisions of the
Agreement of Merger dated June 20, 1969.

Dated: June 20, 1969

<u>Name of Stockholders</u>	<u>Number of Shares</u>
<u> Allan W. Van DeMark</u>	<u>3</u>

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CERTIFICATE OF MERGER of Van DeMark Chemical Products, Inc. and Tilden Chemical Company, Inc. into Van DeMark Chemical Company, Inc.	
CERTIFICATE OF MERGER	
STATE OF NEW YORK DEPARTMENT OF STATE FILED JUL 7 1969 TAX & FEE <i>W. E. [Signature]</i> <i>W. E. [Signature]</i> 32 Niagara F. WARREN KAHN ATTORNEY AT LAW NIAGARA FALLS, NEW YORK	2027 Main St. 14305

① 11/1/51 25 8106-41
 8598
 Lockport, Niagara Co.
 202 VPR

② 11/16/53 74
 8598
 Lockport, Niagara Co.
 202 VPR

③ 6/8/51 24
 8024-83
 Lockport, Niagara Co.
 202 VPR

State of New York }
Department of State } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 7, 2007



A handwritten signature in black ink, appearing to read "D. J. [unclear]", written over the printed title.

*Deputy Secretary of State for
Business and Licensing Services*

DOS-1286 (Rev. 03/07)

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF

VAN DE MARK CHEMICAL COMPANY, INC.

Under Section 805 of the Business Corporation Law

WE, THE UNDERSIGNED, being the President and Secretary
of VAN DE MARK CHEMICAL COMPANY, INC., do hereby certify:

1. The name of the corporation is VAN DE MARK CHEMICAL
COMPANY, INC.

2. The Certificate of Incorporation was filed by the
Department of State on June 8, 1951.

3. The Certificate of Incorporation is hereby amended
to change the authorized shares of the corporation from shares
having no par value to shares having a par value of \$100 per
share, and to increase the number of shares which the corporation
is authorized to issue from 200 shares to 3,000 shares.

4. To accomplish the foregoing, Article THIRD of the
Certificate of Incorporation, which states the authorized capital
stock of the Corporation, is amended to read as follows:

"THIRD: The aggregate number of shares
which the corporation shall have authority to
issue is 3,000 having a par value of \$100 each."

5. The foregoing amendment provides for a change of
issued shares. The number and kind of shares changed is Two
Hundred (200) shares of common stock without par value, of which

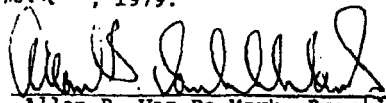
ALBRECHT, MAGUIRE,
HEFFERN & GREGG
BUFFALO, N. Y.

568198

three are issued shares; the number and kind of shares resulting from such change is Two Hundred (200) shares of common stock having a par value of \$100 each, of which three will be issued shares. The terms of the change are that each of the presently authorized common shares without par value shall be changed into one share of the common shares having a par value of \$100 each, authorized by this certificate, so that after the filing of this certificate, the corporation will have three issued shares and (with the additional 2,800 common shares authorized by this certificate) 2,997 unissued common shares having a par value of \$100 each.

6. The foregoing amendment was authorized by the unanimous written consent of the holders of all outstanding shares entitled to vote thereon.

IN WITNESS WHEREOF, the undersigned have signed this certificate and affirmed the same as true under the penalties of perjury the 7th day of March, 1979.



Allan B. Van De Mark, President



Johanna Shotell, Secretary

ALBRECHT, MAGUIRE,
HEFFERN & GREGG
BUFFALO, N.Y.

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CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
VAN DE MARK CHEMICAL COMPANY, INC.

615151
NADP
8021-83

STATE OF NEW YORK
DEPARTMENT OF STATE

FILED APR 16 1979

AMT OF CHECK \$ 120
FILING FEE \$ 30
TAX \$ 142
COPY \$
CERT \$
REFUND \$

BY: W 25 24

Niagara

W 140

ALBRECHT, MAGUIRE, HEFFERN & GREGG, P.C.
SUITE 2110, MAIN PLACE
BUFFALO, NEW YORK 14202

State of New York }
Department of State } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 7, 2007



A handwritten signature in black ink, appearing to read "D. A. Z.", written over a horizontal line.

*Deputy Secretary of State for
Business and Licensing Services*

DOS-1266 (Rev. 03/07)

CERTIFICATE OF AMENDMENT

990512000505

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of

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CERTIFICATE OF INCORPORATION

of

VAN DE MARK CHEMICAL COMPANY, INC.

Under Section 805 of the
Business Corporation Law

The undersigned, Richard G. Shotell, being the President and Dirk A. Van De Mark, being the Secretary of VAN DE MARK CHEMICAL COMPANY, INC., do hereby certify:

1. The name of the corporation is VAN DE MARK CHEMICAL COMPANY,

INC

2. The Certificate of Incorporation of the corporation was filed by the Department of State of the State of New York on June 8, 1951.

3. The Certificate of Incorporation of the corporation is hereby amended in:

- (a) Change the authorized shares of the corporation from three thousand (3,000) common shares with a par value of \$100.00 per share to three thousand (3,000) common shares with a par value of \$1.00 per share of which thirty (30) shares shall be Voting common shares with a par value of \$1.00 per share and two

thousand nine hundred seventy (2,970) shares shall be Non-Voting common shares with a par value of \$1.00 per share;

(b) Fix the designation and the relative rights, preferences and limitations of the shares of each class; and

(c) Change each of the presently authorized common shares with no par value per share into .01 authorized Voting common shares with a par value of \$1.00 per share, and .99 authorized Non-Voting common shares of the par value of \$1.00 per share.

To effect such amendment, Article 4 of the Certificate of Incorporation is hereby amended to read in its entirety as follows:

"4. The total number of shares which the corporation shall have authority to issue is three thousand (3,000) shares, of which thirty (30) shares shall be Voting common shares with a par value of \$1.00 per share, and two thousand nine hundred seventy (2,970) shares shall be Non-Voting common shares with a par value of \$1.00 per share.

The powers, preferences, rights, qualification, limitations or restrictions of the Voting common shares and the Non-Voting common shares are as follows:

1. Generally. Except as herein otherwise expressly provided, all Voting common shares and Non-Voting common shares shall be identical and shall entitle the holders thereof to the same rights and privileges.

2. Voting Rights. Except as otherwise provided by law:

(a) The entire voting power for the election of directors and for all other purposes shall be vested exclusively in the holders of the Voting common shares, and the holders of the Non-Voting common shares shall not be entitled to vote at any meeting of shareholders or otherwise or to receive notice of any meeting of shareholders. Each Voting common share of the corporation shall be entitled to one vote.

(b) The Non-Voting common shares shall not be included in determining the number of shares voting or entitled to vote on any matters to be voted on by the shareholders of the corporation.

3. Dividend Rights. When and as dividends are declared thereon, whether payable in cash, in property or in securities of the corporation, the holders of Voting common shares and Non-Voting common shares shall be entitled to share equally, share for share, in each dividend, except that if dividends are declared which are payable in Voting common shares or Non-Voting common shares, dividends shall be declared which are payable at the same rate on each class of shares and the dividends payable in shares of Voting common shares shall be payable to holders of that class of shares and the dividends payable in shares of Non-Voting common shares shall be payable to holders of that class of shares. If the corporation shall in any manner subdivide or combine the outstanding shares of one class of common shares, the outstanding shares of the other class of common shares shall be proportionately subdivided or combined.

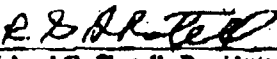
4. (a) The 1079.84 presently authorized and issued common shares with a par value of \$100.00 per share of the corporation shall be changed into 10,7984 authorized and issued Voting common shares with a par value of \$1.00 per share and 1069.0416 authorized and issued Non-Voting common shares with a par value of \$1.00 per share on the basis of .01 Voting common share and .99 Non-Voting common shares for each presently authorized and issued common share.

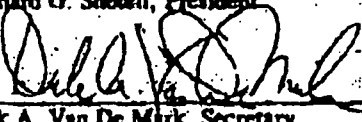
(b) The 1920.16 presently authorized and unissued common shares with a par value of \$1.00 per share of the corporation shall be changed into 19,2016 authorized and unissued Voting common shares with a par value of \$1.00 per share and 1900.9584 authorized and unissued Non-Voting common shares with a par value of \$1.00 per share on the basis of .01 Voting common shares and .99 Non-Voting common shares for each presently authorized and unissued Voting common share.

5. The foregoing amendment of the Certificate of Incorporation was authorized by the Board of Directors of the corporation followed by the written consent of the holders of all of the outstanding shares of the corporation entitled to vote thereon.

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IN WITNESS WHEREOF, the undersigned have subscribed this Certificate and
affirmed it as true under penalties of perjury this 30th day of April, 1999.


Richard G. Shotell, President


Dirk A. Van De Mark, Secretary

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CERTIFICATE OF
AMENDMENT

OF

VAN-DE-MARK-CHEMICAL COMPANY, INC.

1 CC
STATE OF NEW YORK
DEPARTMENT OF STATE
(MAILED 2 2005 5/12/99)
FILED
TAXES
BY: NONE
JAH
Niagara

Filed by:

Kristine E. Peacock
Accelerated Information & Document Filing, Inc.
90 State Street, Suite 836
Albany, New York 12207

CUSTOMER REFERENCE #: 1771

AIDF-24

Drawdown

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State of New York }
Department of State } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 7, 2007



A handwritten signature in black ink, appearing to read "D. J. ...", written over the printed title.

*Deputy Secretary of State for
Business and Licensing Services*

DOS-1266 (Rev. 03/07)

CERTIFICATE OF MERGER

OF
VANCHEM, INC.

991229000499

into

VAN DE MARK CHEMICAL COMPANY, INC.

(Under Section 904 of the New York Business Corporation Law)

It is hereby certified on behalf of each of the constituent corporations herein named, as follows:

FIRST: The Board of Directors of each of the constituent corporations has duly adopted a plan of merger setting forth the terms and conditions of the merger of said corporation.

SECOND: The name of the constituent corporation which is to be the surviving corporation, and which is hereinafter sometimes referred to as the "surviving constituent corporation," is VAN DE MARK CHEMICAL COMPANY, INC. The date upon which the certificate of incorporation of the surviving constituent corporation was filed by the Department of State is June 8, 1951.

THIRD: The name of the other constituent corporation which is being merged into the surviving constituent corporation, and which is hereinafter sometimes referred to as the "merged constituent corporation," is VANCHEM, INC. The date upon which the certificate of incorporation of the merged constituent corporation was filed by the Department of State is January 6, 1953.

FOURTH: As to each constituent corporation, the plan of merger sets forth the designation and number of outstanding shares of each class and series, the specification of the classes and series entitled to vote on the plan of merger, and the specification of each class and series entitled to vote as a class on the plan of merger, as follows:

VAN DE MARK CHEMICAL COMPANY, INC.

Designation of each outstanding class and series of shares	Number of outstanding shares of each class	Designation of class and series entitled to vote	Classes and series entitled to vote as a class
Common	10,7984	Voting	None
Common	1,069,0416	Non-Voting	None

VANCHEM, INC.

<u>Designation of each outstanding class and series of shares</u>	<u>Number of outstanding shares of each class</u>	<u>Designation of class and series enti- tled to vote</u>	<u>Classes and series enti- tled to vote as a class</u>
Common	20	Voting	None
Common	1,980	Non-Voting	None


FIFTH: The merger herein certified was authorized in respect of the constituent corporations by the written consent of the holders of all outstanding shares of the corporations entitled to vote on the Plan of Merger in accordance with section 615 of the Business Corporation Law of the State New York.

TENTH: The effective date of the merger herein certified shall be the 1st day of January, 2000.


IN WITNESS WHEREOF, we have subscribed this document on the date set forth below and do hereby affirm, under the penalties of perjury, that the statements contained therein have been examined by us and are true and correct.

Signed on December 23, 1999

VANCHEM, INC.


Name: Thierry Halfon
Title: Chairman and CEO

VANDEMARK CHEMICAL COMPANY, INC.


Name: Thierry Halfon
Title: Chairman and CEO

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NEW YORK TAX ASSUMPTION
UPON MERGER

GUARANTEE AND ASSUMPTION

VANDEMARK CHEMICAL CO. INC., a corporation organized under the laws of the State of New York, does hereby guarantee that it will file, or cause to be filed, all tax returns required of VANCHEM INC., a corporation organized under the laws of the State of New York, and does hereby assume the liability for and guarantee the payment of all taxes accrued and owing by said Corporation.

[Corporate Seal]

Don pour légalisation notarielle
par le Notaire à Paris, approuvé
de la signature de Monsieur
Thierry MALTRoot

VANDEMARK CHEMICAL CO. INC.

By: [Signature]
Name: Thierry Maltrout
Title: Chairman and CEO

Attest:

[Signature]
Stephen D. Kramer, Secretary

STATE OF NEW YORK)

) SS.:

COUNTY OF NEW YORK)

I, the undersigned, a Notary Public, do hereby certify that on the 23rd day of December, 1999, personally appeared before me Mr. Thierry MALTRoot, being first duly sworn by me, and acknowledged that he signed the foregoing document in the capacity therein set forth and declared that the statements therein contained are true.

IN WITNESS WHEREOF, I have hereunto set my hand and seal the day and year before written.

Thierry DELESALLE

Notary Public



991229000 499

CERTIFICATE OF MERGER

OF
VANCHEM, INC.

INTO
VAN DE MARK CHEMICAL COMPANY, INC.

Section 904 of the Business Corporation Law

RECEIVED

Dec 25 12 01 PM '99

1cc
STATE OF NEW YORK
DEPARTMENT OF STATE
FILED DEC 29 1999
TAXES
BY: PER

Dec 23 10 02 AM '99

RECEIVED

Dec 29 10 03 AM '99

RECEIVED

Filer: Pavia & Harcourt
600 Madison Av.
12th Fl.
New York, NY 10022
Cust. Ref#528652GIR

DRANDOWN

Dec 23 11 32 AM '99

991229000 519

State of New York }
Department of State } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 7, 2007



A handwritten signature in black ink, appearing to read "D. J. [unclear]", written over the printed title.

*Deputy Secretary of State for
Business and Licensing Services*

DOS-1266 (Rev. 03/07)

1- 000103000674

CERTIFICATE OF AMENDMENT

OF

THE CERTIFICATE OF INCORPORATION

OF

VAN DE MARK CHEMICAL COMPANY, INC.

Under Section 805 of the Business Corporation Law.

I, Stephen D. Kramer, Secretary of VANDEMARK CHEMICAL COMPANY, INC.,
hereby certify:

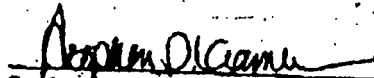
1. The name of the Corporation is VANDE MARK CHEMICAL COMPANY, INC.
2. The Certificate of Incorporation was filed in the Office of the Secretary of State at Albany, New York on the 8th day of June, 1951.
3. A Certificate of Merger has been filed, effective January 1, 2000, with respect to the Corporation.
4. The Certificate of Incorporation is amended as authorized by Section 801 of the Business Corporation Law to change the Corporation's name.
5. To effect the foregoing, ARTICLE FIRST relating to the name is amended to read as follows:

FIRST: The name of the Corporation is: VanDeMark, Inc.

6. The amendment of the Certificate of Incorporation was authorized by the affirmative vote of the Board of Directors followed by the written consent of the sole shareholder.

7. The effective date of the name change herein certified shall be the 3rd day of January, 2000.

IN WITNESS WHEREOF, this Certificate has been subscribed this 22 day of December, 1999 by the undersigned who hereby affirms that the statements made herein are true under penalty of perjury.


Stephen D. Kramer
Secretary

2

1-000103000 674

CERTIFICATE OF AMENDMENT

OF

VAN DE MARK CHEMICAL COMPANY, INC.

Under Section 805 of the Business Corporation Law

RECEIVED

JAN 3 10 03 AM '00

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STATE OF NEW YORK
DEPARTMENT OF STATE
FILED JAN 03 2000
TAXS
BY: *dr*
nagun

JAN 3 3 00 PM '00

FILED

FILED BY: Mr. S. Pat Castellar
PAVIA & HARCOURT
600 Madison Av.
12th Fl.
New York, NY 10028
Cust. Ref#528652GIR

BRAWDOWN

RECEIVED

JAN 3 2 13 PM '00

000103000 694

3

*State of New York } ss:
Department of State }*

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 7, 2007



A handwritten signature in black ink, appearing to read "D. J. [unclear]", is written over the printed title.

*Deputy Secretary of State for
Business and Licensing Services*

DOS-1266 (Rev. 03/07)

20 3 216 0000000 951PT 0002-10-004

1-000301000820

CSC 45

CERTIFICATE OF AMENDMENT
OF THE
CERTIFICATE OF INCORPORATION
OF

VANDEMARK, INC.

Under Section 805 of the Business Corporation Law

The undersigned, Stephen D. Kramer, being Secretary of VANDEMARK, INC.,

hereby certify:

1. The name of the Corporation is VANDEMARK, INC.

The name under which the Corporation was formed was Van De Mark Chemical
Company, Inc.

2. The Certificate of Incorporation was filed in the Office of the Secretary of State at
Albany, New York on the 8th day of June, 1951.

3. The Certificate of Incorporation is amended as authorized by Section 801 of the
Business Corporation Law to:

Increase the authorized shares of the corporation from Three Thousand (3,000) common
shares with a par value of One (\$1.00) Dollar per share of which Thirty (30) shares are Voting
common shares with a par value of One (\$1.00) Dollar and Two Thousand Nine Hundred and Seventy
(2,970) shares are Non-Voting common shares with a par value of One (\$1.00) Dollar to Ten
Thousand (10,000) common shares with a par value of One (\$1.00) Dollar per share of which One


Hundred (100) shares shall be Voting common shares with a par value of One (\$1.00) Dollar and Nine Thousand Nine Hundred (9,900) shares shall be Non-Voting common shares with a par value of One (\$1.00) Dollar.

4 To effect the foregoing, ARTICLE Four (4) of the Certificate of Incorporation is hereby amended to read in its entirety as follows:

"4 The Total number of shares which the corporation shall have authority to issue is Ten Thousand (10,000) common shares with a par value of One (\$1.00) Dollar per share of which One Hundred (100) shares shall be Voting common shares with a par value of One (\$1.00) Dollar and Nine Thousand, Nine Hundred (9,900) shares shall be Non-Voting common shares with a par value of One (\$1.00) Dollar."

6 The amendment of the Certificate of Incorporation was authorized by the unanimous written consent of the Board of Directors followed by written consent of the sole shareholder.

IN WITNESS WHEREOF, this Certificate has been subscribed this 1st day of March, 2000 by the undersigned who hereby affirm that the statements made herein are true under penalty of perjury.


Stephen D. Kramer, Secretary

000301000F20

CSC 45

CERTIFICATE OF AMENDMENT

OF

VANDEMARK, INC.

Under Section 805 of the Business Corporation Law

for 10

Nov

STATE OF NEW YORK
DEPARTMENT OF STATE

FILED MAR 01 2000

TAX S

BY

FILED BY:

PAVIA L. HARCOURT
600 Madison Av.
12th Fl.

New York, NY 10022

Cust. Ref. 50724411

State of New York }
Department of State } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 7, 2007



A handwritten signature in black ink, appearing to read "D. A. [unclear]".

*Deputy Secretary of State for
Business and Licensing Services*

DOS-1266 (Rev. 03/07)

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DOWN

040212000249

**CERTIFICATE OF AMENDMENT
OF
THE CERTIFICATE OF INCORPORATION
OF
VANDEMARK, INC.**

(Under Section 805 of the Business Corporation Law)

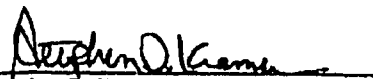
I, Stephen D. Kramer, Secretary of VANDEMARK, INC., hereby certify:

1. The name of the Corporation is VANDEMARK, INC.
2. The Certificate of Incorporation was filed in the Office of the Secretary of State at Albany, New York on the 8th day of June, 1951 under the name VAN DE MARK CHEMICAL COMPANY, INC..
3. The Certificate of Incorporation is amended as authorized by Section 801 of the Business Corporation Law to change the Corporation's name
4. To effect the foregoing, ARTICLE FIRST relating to the name is amended to read as follows:

FIRST: The name of the Corporation is: ISOCHEM INC.

5. The amendment of the Certificate of Incorporation was authorized by the affirmative vote of the Board of Directors followed by the written consent of the sole shareholder.

IN WITNESS WHEREOF, this Certificate has been subscribed this 10th day of February, 2004 by the undersigned who hereby affirms that the statements made herein are true under penalty of perjury.


Stephen D. Kramer
Secretary

PLH • 351693 1 12034/000

1

FILED
2004 FEB 12 AM 11:43

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CSC 45
DRAW DOWN

CERTIFICATE OF AMENDMENT

OF

VANDEMARK, INC.

Under Section 805 of the Business Corporation Law

100
STATE OF NEW YORK
DEPARTMENT OF STATE

FILED FEB 12 2004

TAX \$ 10

BY: [Signature]

Nigga

RECEIVED
2004 FEB 11 PM 4:08

FILED BY: PAVIA & HARCOURT LLP
12th Floor
600 Madison Avenue
New York, NY 10022
Cust. Ref#435170HXM

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258

N. Y. S. DEPARTMENT OF STATE
DIVISION OF CORPORATIONS AND STATE RECORDS

ALBANY, NY 12231-0001

FILING RECEIPT

=====

ENTITY NAME: VANDEMARK CHEMICAL INC.

DOCUMENT TYPE: AMENDMENT (DOMESTIC BUSINESS)
NAME

COUNTY: NIAG

=====

FILED:06/18/2007 DURATION:***** CASH#:070618000632 FILM #:070618000587

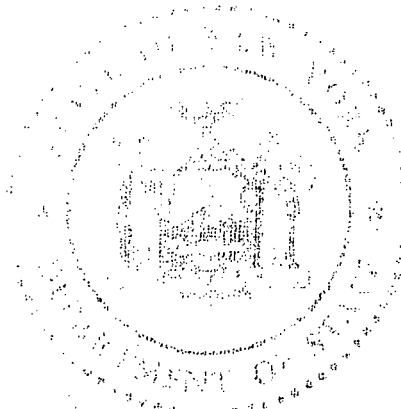
FILER:

WILLKIE FARR & GALLAGHER LLP
787 SEVENTH AVENUE

NEW YORK, NY 10019-6099

ADDRESS FOR PROCESS:

REGISTERED AGENT:



=====

SERVICE COMPANY: CORPORATION SERVICE COMPANY - 45

SERVICE CODE: 45

FEEs	245.00

FILING	60.00
TAX	0.00
CERT	0.00
COPIES	10.00
HANDLING	175.00

PAYMENTS	245.00

CASH	0.00
CHECK	0.00
CHARGE	0.00
DRAWDOWN	245.00
OPAL	0.00
REFUND	0.00

=====

953679KXX

DOS-1025 (04/2007)

State of New York }
Department of State } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

June 18, 2007



*Deputy Secretary of State for
Business and Licensing Services*

DOS-1266 (Rev. 03/07)

CSC 45
DRAW DOWN

070618000587

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
ISOICHEM INC.

Under Section 805 of the New York Business Corporation Law

THE UNDERSIGNED, being a duly appointed and authorized officer of ISOICHEM INC. (the "Corporation"), a corporation organized and existing under the laws of the State of New York, for the purpose of amending the Certificate of Incorporation (as amended, the "Certificate of Incorporation") of the Corporation, hereby certifies as follows:

FIRST: The name of the Corporation is ISOICHEM INC.

SECOND: The Corporation was originally incorporated under the laws of the State of New York under the name VAN DE MARK CHEMICAL COMPANY, INC. and the original Certificate of Incorporation of the corporation was filed with the Department of State of the State of New York on June 8, 1951.

THIRD: The Certificate of Incorporation is amended as authorized by Section 801 of the New York Business Corporation Law to change the Corporation's name.

FOURTH: That the Certificate of Incorporation is hereby amended pursuant to Section 801 of the Business Corporation Law by deleting Article FIRST thereof in its entirety and inserting in lieu thereof the following:

FIRST: The name of this corporation is: "VanDeMark Chemical Inc."

FIFTH: The amendment was approved by the unanimous written consent of the Board of Directors of the Corporation and by the sole stockholder of the Corporation and thereby duly adopted in accordance with the provisions of Section 708, 615 and 803 of the New York Business Corporation Law.

IN WITNESS WHEREOF, the undersigned has made and signed this
Certificate of Amendment on June 15, 2007 and affirms the statements contained herein as
true under penalties of perjury.

By Michael Kucharski
Name: Michael Kucharski
Title: Chief Executive Officer

N. Y. S. DEPARTMENT OF STATE
DIVISION OF CORPORATIONS AND STATE RECORDS

ALBANY, NY 12231-0001

FILING RECEIPT

ENTITY NAME: VANDEMARK CHEMICAL INC.

DOCUMENT TYPE: RESERVATION (DOM. BUSINESS)

SERVICE COMPANY: CORPORATION SERVICE COMPANY - 45

SERVICE CODE: 45

APPLICANT NAME : LAUREN MAGNOTTI

FILED:04/19/2007 DURATION:06/19/2007 CASH#:070419000222 FILM #:070419000197

ADDRESS FOR PROCESS

REGISTERED AGENT

** SUBMIT RECEIPT WHEN FILING CERTIFICATE **

FILER	FEES		PAYMENTS	
LAUREN MAGNOTTI	FILING	20.00	CASH	0.00
WILLKIE FARR & GALLAGHER LLP	TAX	0.00	CHECK	0.00
787 SEVENTH AVENUE	CERT	0.00	CHARGE	0.00
NEW YORK, NY 10019-6099	COPIES	0.00	DRAWDOWN	45.00
	HANDLING	25.00	OPAL	0.00
			REFUND	0.00

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DOS-1025 (11/89)

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CERTIFICATE OF AMENDMENT

OF

ISOCHEM INC.

Under Section 805 of the Business Corporation Law

2007 JUN 18 AM 11:19

FILED

ICC

FILED BY:

WILLKIE FARR & GALLAGHER LLP
787 Seventh Avenue
New York, NY 10019-6099

Cust. Ref#953679KXK

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2007 JUN 18 AM 11:06

RECEIVED

STATE OF NEW YORK
DEPARTMENT OF STATE

FILED JUN 18 2007

TAXS

BY: map

632

NIAGARA COUNTY CLERK RECORDING PAGE
OFFICE OF THE CLERK COUNTY OF NIAGARA
WAYNE F. JAGOW, COUNTY CLERK
County Courthouse, 175 Hawley Street, P.O. Box 461, Lockport, NY 14095
Phone (716) 439-7027 Fax (716) 439-7066

INSTRUMENT DATE _____

DOCUMENT TYPE Quit Claim (a)

Parties: (Print Names In Full)
1st Part Isochem Inc. et al
2nd Part Isochem Inc.
Town/City Lockport

Return To:
Willkie Farr & Gallagher
787 Seventh Ave.
New York NY 10019



DOCUMENT # 1005156
BOOK 3403 PAGE 68 DEEDS
NUMBER OF PAGES 9
RECORDED 06/20/2007 11:26:49 A.M.
RECEIPT # 15760 DOCUMENT TOTAL: \$227.00
PAID - COUNTY CLERK
WAYNE F. JAGOW

THIS SPACE RESERVED FOR COUNTY CLERK

MORTGAGE# _____

MORTGAGE AMOUNT
\$ _____

() One/two family () Other

[] Check if to be apportioned

RECORDING TAX RECEIPT

BASIC \$ _____
ADDITIONAL \$ _____
SPECIAL \$ _____
TOTAL \$ _____

State of New York ss
County of Niagara)
I do hereby certify that I have
Received on the within Mortgage, being
the amount of the Recording Tax
Imposed thereon & paid at recording.

Dated _____, 20____

Mortgage Tax Clerk of Niagara County

6292
REAL ESTATE TRANSFER
TAX
\$ 0
6/20/07
NIAGARA COUNTY

RECORD AND RETURN TO:

Willkie Farr & Gallagher
787 Seventh Avenue
New York, New York 10019
Attn: Jeffrey Poss, Esq.

CONFIRMATORY QUITCLAIM DEED

Isochem, Inc., a New York corporation, successor by change of name and/or merger to Van De Mark, Inc., Van De Mark Chemical Co. Inc. (a/k/a Van De Mark Chemical Company, Inc.) and Vanchem Inc. (a/k/a Vanchem Co. Inc. and Van Chem Inc.) ("Grantor") having an address at 1 North Transit Road, Lockport, New York 14094, for and in consideration of Ten And No More Dollars (\$10.00 and no more), does hereby, as a matter of confirmation, remise, release and quitclaim to Isochem, Inc., a New York corporation ("Grantee") having an address at 1 North Transit Road, Lockport, New York 14094, its successors and assigns forever, all the following described real estate, situated in the County of Niagara, State of New York, together with the appurtenances and all the estate and rights of Grantor in and to said premises:

All those certain lots, pieces or parcels of land, situate, lying and being in the City of Lockport, County of Niagara and State of New York, bounded and described as follows:

SEE EXHIBIT "A"

TOGETHER with the benefits of and SUBJECT to the burdens of easements and all other instruments of record in the Niagara County Clerk's Office.

TOGETHER with all right, title and interest, if any, of Grantor in and to any land lying in the bed of any street, road or avenue opened or proposed, in front of or adjoining said parcel of land, to the center line thereof, and all right, title and interest of Grantor in and to any rights of way, highways, public places, easements, appendages, appurtenances, alleys, gores and strips of land adjoining said premises or any part thereof and now or hereafter used in connection therewith.

TOGETHER with all right, title and interest, if any, of Grantor in and to fixtures and improvements thereto.

3787046.3

THIS Deed is given for the sole purpose of consolidating the legal descriptions of real property owned by Grantor.

TO HAVE AND TO HOLD the premises herein granted unto Grantee, its successors and assigns forever.

AND Grantor, in compliance with Section 13 of the Lien Law, covenants that the Grantor will receive consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

IN WITNESS WHEREOF, the Grantor has duly executed this deed as of _____, 2007.

GRANTOR:

ISOCHEM, INC., a New York corporation,

By:



Name: MICHAEL A. KUCHARSKI

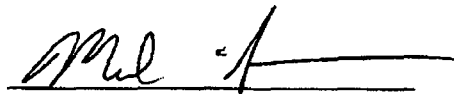
Title: CEO

STATE OF NEW YORK)

) SS.:

COUNTY OF NEW YORK)

On the 14th day of June in the year 2007, before me, the undersigned, personally appeared Michael Kucharski, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.



Notary Public

Mal E. Serure

Commission Expires 2/27/10

County of New York

EXHIBIT A
Legal Description

Issued By:

CHICAGO TITLE INSURANCE COMPANY

Schedule A (cont'd)

No: 2703-30127

Schedule A Description (continued):

Parcel I:

All that tract or parcel of land situate in the City of Lockport, County of Niagara and State of New York being part of Lot 11, Section 15, Township 14 and Range 6 of the Holland Land Company's Survey, more fully bounded and described as follows:

Beginning at a point in the centerline of North Transit Street which is the west line of Lot 11, said point being located 266.00 feet southerly of the Intersection of Mill Street;

Thence N 89° 59' 55" E along the southerly line of Milward Alloys Inc. by Deed recorded in Liber 2660 at page 282, a distance of 326.12 feet to a point on the westerly line of a parcel of land conveyed to Vandemark Chemical Company, Inc. by Deed recorded in Liber 2259 at page 282, parcel 1;

Thence N 10° 00' 00" W along the westerly line of a parcel of land conveyed to Vandemark Chemical Company, Inc. by Deed recorded in Liber 2259 at page 282, parcel 1, a distance of 143.40 feet to a point in the centerline of Mill Street;

Thence S 67° 30' 00" E along the centerline of Mill Street, a distance of 834.67 feet to the intersection of the centerline of Portage Street (unimproved);

Thence S 79° 35' 12" W along the centerline of Portage Street, a distance of 766.89 feet to the intersection of the centerline of Gooding Street;

Thence N 72° 44' 44" W along the centerline of Gooding Street, a distance of 333.09 feet to the intersection of the centerline of North Transit Street;

Thence N 00° 00' 00" E along the centerline of North Transit Street, a distance of 218.00 feet to the place of beginning. Containing 5.871 acres more or less.

Issued By:

CHICAGO TITLE INSURANCE COMPANY

Schedule A (cont'd)

No: 2703-30127

Schedule A Description (continued):

Parcel II:

All that tract or parcel of land situate in the City of Lockport, County of Niagara and State of New York, being part of Lot 61, Section 15, Township 14 and Range 7 of the Holland Land Company's Survey, more fully bounded and described as follows:

Beginning at a point in the east line of Lot 61, being also the centerline of Transit Road, said point being 336.67 feet southerly of the intersection of the centerline of Mill Street, said point also being the southeast corner of a parcel conveyed to Milward Alloys, Inc by Deed recorded in Liber 2783 at page 348;

Thence S 00° 00' 00" W along the west line of Lot 61, a distance of 460.16 feet to the southeast corner of a parcel of land conveyed to Vanchem Co. Inc. by Deed recorded in Liber 2968 at page 341;

Thence N 87° 26' 08" W along the southerly line of said Vanchem Co., Inc. parcel, a distance of 582.12 feet to the southwest corner of said Vanchem Co. Inc. parcel;

Thence N 00° 00' 00" W along the west line of said Vanchem Co. Inc. parcel, a distance of 245.21 feet to the northwest corner of said Vanchem Co. Inc. parcel;

Thence S 61° 36' 35" E along the northerly line of said Vanchem Co. Inc. parcel, a distance of 12.35 feet to a point on the west line of a parcel conveyed to Vanchem Co. Inc. by Deed recorded in Liber 2029 at page 77;

Thence N 04° 29' 30" E along the west line of said parcel conveyed to Vanchem Co. Inc. by Deed recorded in Liber 2029 at page 77, a distance of 242.51 feet to the northwest corner of said parcel conveyed to Vanchem Co. Inc. by Deed recorded in Liber 2029 at page 77;

Thence S 89° 52' 30" E along the northerly line of said parcel conveyed to Vanchem Co. Inc. by Deed recorded in Liber 2029 at page 77, a distance of 9.60 feet to the southwest corner of a parcel conveyed to Vanchem Co. Inc. by Deed recorded in Liber 1976 at page 301;

Thence N 00° 47' 30" E along the west line of said parcel conveyed to Vanchem Co. Inc. by Deed recorded in Liber 1976 at page 301, a distance of 56.27 feet to the northwest corner of said parcel conveyed to Vanchem Co. Inc. by Deed recorded in Liber 1976 at page 301;

Thence N 90° 00' 00" E along the north line of said parcel conveyed to Vanchem Co. Inc. by Deed recorded in Liber 1976 at page 301 and along the northerly line of a parcel conveyed to Vandemark Chemical Company, Inc. by Deed recorded in Liber 2551 at page 321, a distance of 421.39 feet to the northeast corner of said parcel conveyed to Vandemark Chemical Company, Inc. by Deed recorded in Liber 2551 at page 321;

Thence S 10° 14' 00" E along the easterly line of said parcel conveyed to Vandemark Chemical Company, Inc. by Deed recorded in Liber 2551 at page 321, a distance of 15.37 feet to the northwest corner of parcel conveyed to Vandemark Chemical Company, Inc. by Deed recorded in Liber 2784 at page 1;

thence N 89° 19' 40" E along the northerly line of said parcel conveyed to Vandemark Chemical Company, Inc. by Deed recorded in Liber 2784 at page 1, a distance of 14.39 feet to the northeast corner of said parcel conveyed to Vandemark Chemical Company, Inc. by Deed recorded in Liber 2784 at page 1;

Issued By:

CHICAGO TITLE INSURANCE COMPANY

Schedule A (cont'd)

No: 2703-30127

Schedule A Description (continued):

Thence S 00° 40' 20" E along the easterly line of said parcel conveyed to Vandemark Chemical company, Inc. by Deed recorded in Liber 2784 at page 1, a distance of 81.49 feet to the southeast corner of said parcel conveyed to Vandemark Chemical Company, Inc. by Deed recorded in Liber 2784 at page 1, said point being on the southerly line of a parcel conveyed to Milward Alloys, Inc by Deed recorded in Liber 923 at page 153;

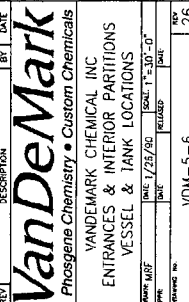
Thence N 90° 00' 00" E along the southerly line of said parcel conveyed to Milward Alloys, Inc. by Deed recorded in Liber 923 at page 153, a distance of 21.35 feet to the northwest corner of a parcel conveyed to Milward Alloys, Inc. by Deed recorded in Liber 2783 at page 348;

Thence S 00° 00' 00" W along the west line of said parcel conveyed to Milward Alloys, inc. by Deed recorded in Liber 2783 at page 348, a distance of 6.84 feet to the southwest corner of said parcel conveyed to Milward Alloys, Inc by Deed recorded in Liber 2783 at page 348;

Thence N 90° 00' 00" E along the southerly line of said parcel conveyed to Milward Alloys, Inc by Deed recorded in Liber 2783 at page 348, a distance of 80.48 feet to the point or place of beginning.

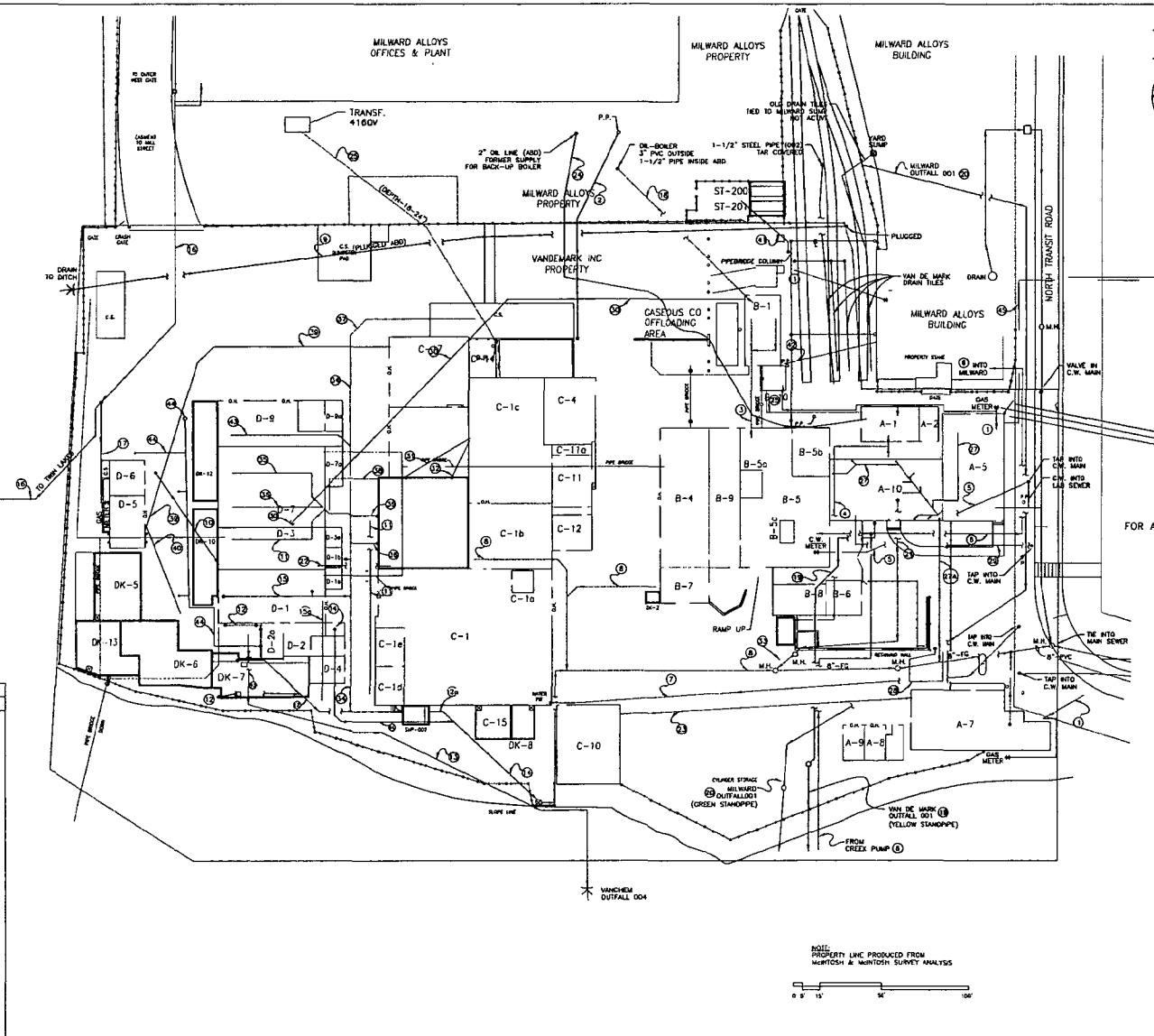
Containing 6.940 acres more or less.

Together with and subject to the terms, covenants, conditions and easements set forth in an Agreement made by and between Niagara County Industrial Development Agency with Van De Mark Chemical Company Inc. et al recorded in Liber 2660 of Deeds at page 315 on July 1, 1996.



UTILITY AND UNDERGROUND LINES	
NO.	DESCRIPTION
1	2" DIA. NATURAL GAS SALS
2	BAKE ELECTRICAL ROWER LINE
3	BOILER FLOOR RETURN
4	RESERVE BOILER DRAIN
5	VOM CITY WATER SUPPLY
6	VOM CREEK WATER SUPPLY
7	VOM CHEM CITY WATER SUPPLY
8	VOM CHEM WASTE WATER LINE - 8" TO GROUND WATER DRAIN
9	VOM CHEM H2 SUPPLY LINE - ABANDONED
10	P.T.S.I. FLOOR TENSION DRAIN - 3" DIA.
11	VOM CHEM EFFLUENT LINE - 4" DIA.
12	VOM CHEM EFFLUENT LINE - ABANDONED
13	VOM CHEM CREEK WATER RETURN
14	VOM CHEM TOILET AND FLOOR DRAIN
15	C-CHLOROFORMATE FLOOR DRAIN
16	C-CHLOROFORMATE FLOOR DRAIN - ABANDONED
17	NATURAL GAS SUPPLY 3" - 40" UNDER GRADE
18	NATURAL GAS SUPPLY TO HOT OIL BUILDING
19	ABANDONED OIL LINE TO MAIN BOILER
20	VAN DE MARK OUTFALL - 001
21	MILWARD OUTFALL - 001
22	CONTRACT SEWER
23	ALCOHOL SUPPLY (DISCONTINUED)
24	C.W. OFFICE SUPPLY
25	VAN DE MARK LABORATORY CITY H2O SUPPLY
26	ELECTRICAL CONDUIT 4160V TRANS.
27	MILWARD DRAINS INTO SEWER
28	VANDEMARK LABORATORY SEWER
29	VANDEMARK LABORATORY SANITARY SEWER
30	EAST DATE WINDING LOOP
31	APPROXIMATELY 2" UNDERGROUND
32	2" ABANDONED OIL LINE TO BACK-UP ROLLER
33	4" PVC CONDUIT - 10' - APPROX. 6" UNDERGROUND
34	2" CONDUIT, VCH BRINE PUMPS CONTROL
35	APPROX. 6" UNDER FLOOR
36	2" CONDUIT, VOM BRINE PUMPS CONTROL
37	APPROX. 8" UNDER FLOOR
38	SAMPLE RETURN
39	FLOOR DRAIN & DIVE SUMP DRAIN - 8" DIA.
40	BLDG. D-7 FLOOR DRAIN - 3" DIA.
41	DIVE OFF-4 SUMP DRAIN - 3" DIA.
42	TRUCK OFF-LOAD TRENCH DRAIN - 8" DIA.
43	BLDG. D-7 4" O/COPPER GROUND WIRE
44	APPROX. 4" UNDER CONCRETE
45	(1) POWER CONDUITS FROM 5-17 TO 9-9
46	(2) 3" DIA. (1) 2" DIA. APPROX. 24" DEEP
47	(3) 3" POWER CONDUITS FROM 5-5 TO 5-8
48	APPROX. 24" DEEP
49	3" NATURAL GAS FROM MILWARD ALLOYS BLDG. NORTH OF VANDEMARK APPROX. 30" DP.
50	3" CONDUIT FROM MILWARD ALLOYS BLDG. D-9 TRENCH DRAIN
51	APPROX. 12" DP.
52	8" D-AREA TRUCK OFFLOADING DRAIN
53	APPROX. 30" DEEP
54	(3) 1" CONDUITS FROM A-5 TO DATE OPER'S
55	APPROX. 24" DEEP

BUILDING LEGEND	
IDENT.	BUILDING
A-1	BACK-UP BOILER BUILDING
A-2	CENTRALITE REFINERY MILL ROOM
A-3	CENTRALITE PRODUCTION AREA
A-4	VANDEMARK GROUP LABORATORY
A-5	VANDEMARK GROUP OFFICE BUILDING
A-6	CAS GALLERY
B-1	MAIN BOILER BUILDING
B-2	MAINTENANCE SHOP
B-3	PHOSGENE FACILITY & SCALES BUILDING
B-4	VANDEMARK CONTROL ROOM
B-5	VANDEMARK CONDENSER/RECYCLER ROOM
B-6	GENERAL STORAGE ROOM
B-7	ONE TON CYLINDER PAINTING BUILDING
B-8	8X CALSIC SCRUUBER TANK ROOM (2-1200 GAL TANKS)
B-9	PHOSGENE PRODUCTION ROOM
B-10	PHOSGENE DEPT. EMERGENCY GENERATOR
B-11	URANIUM STORAGE WAREHOUSE
B-12	SHIPPING AND RECEIVING
B-13	CHEMICAL STORAGE WAREHOUSE - MAIN ROOM
B-14	CHEMICAL STORAGE WAREHOUSE - CHLOROFORMATES
B-15	PRODUCTION LOCKER ROOM
B-16	SAFETY SUPPLY ROOM
B-17	ONE TON CYLINDER SHELTERING ROOM
B-18	ONE TON CYLINDER MAINTENANCE SHOP
B-19	LOCKER ROOM BUILDING
C-1	MAINTENANCE STOREROOM
C-2	MAINTENANCE WET DRY STOREROOM
C-3	OFFICE - MAINTENANCE SUPERVISOR
C-4	REFRIGERATION BUILDING
C-5	TRANSFORMER POWER STATION (OUTDOORS)
C-6	WASTE URANIUM STORAGE (OUTDOORS) CONCRETE PAD
C-7	REFRIGERATION BUILDING EXPANSION
C-8	VANDEMARK PRODUCTION BUILDING
C-9	VANDEMARK CONTROL ROOM
C-10	VANDEMARK ELECTRICAL DISTRIBUTION CENTER
C-11	P.T.S.I. PRODUCTION AREA
C-12	ETHYLENE GLYCOL RECRYSTALLATION COOLING SYSTEM
C-13	P.T.S.I. HEAT TRANSFER VACUUM PUMP BUILDING
C-14	OPTIC ROOM
C-15	HC-C PRODUCTION AREA
C-16	PHOSGENE ADSORPTION SCALES BLDG.
C-17	FC-102 PRODUCTION AREA
C-18	FC-102 PACK-OUT ROOM



Van DE Mark

1 N Transit Rd

Lockport, NY 14094

Inquiry Number: 3132954.4

July 25, 2011

EDR Historical Topographic Map Report



EDR[®] Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

VDM00063

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.'s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

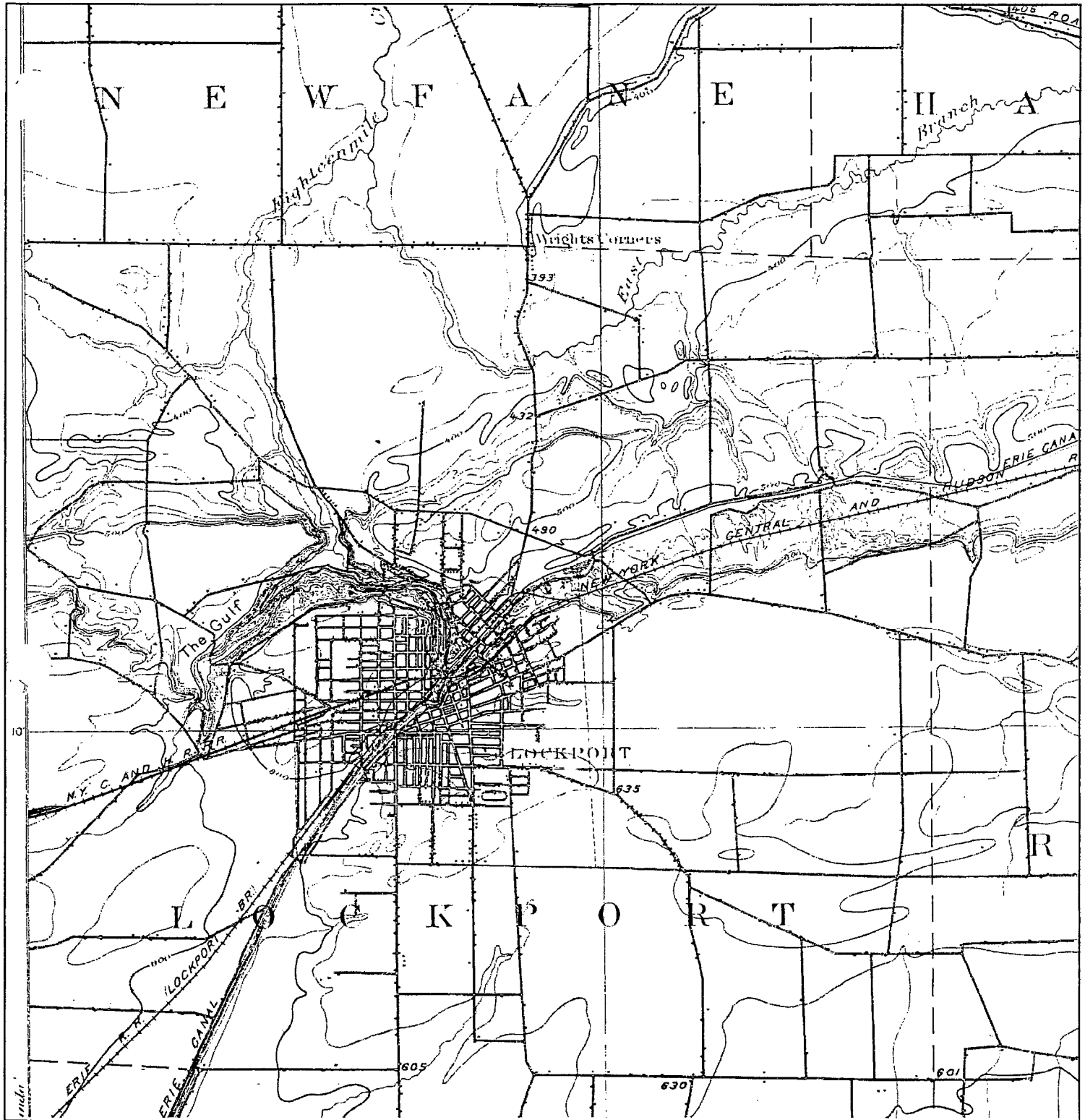
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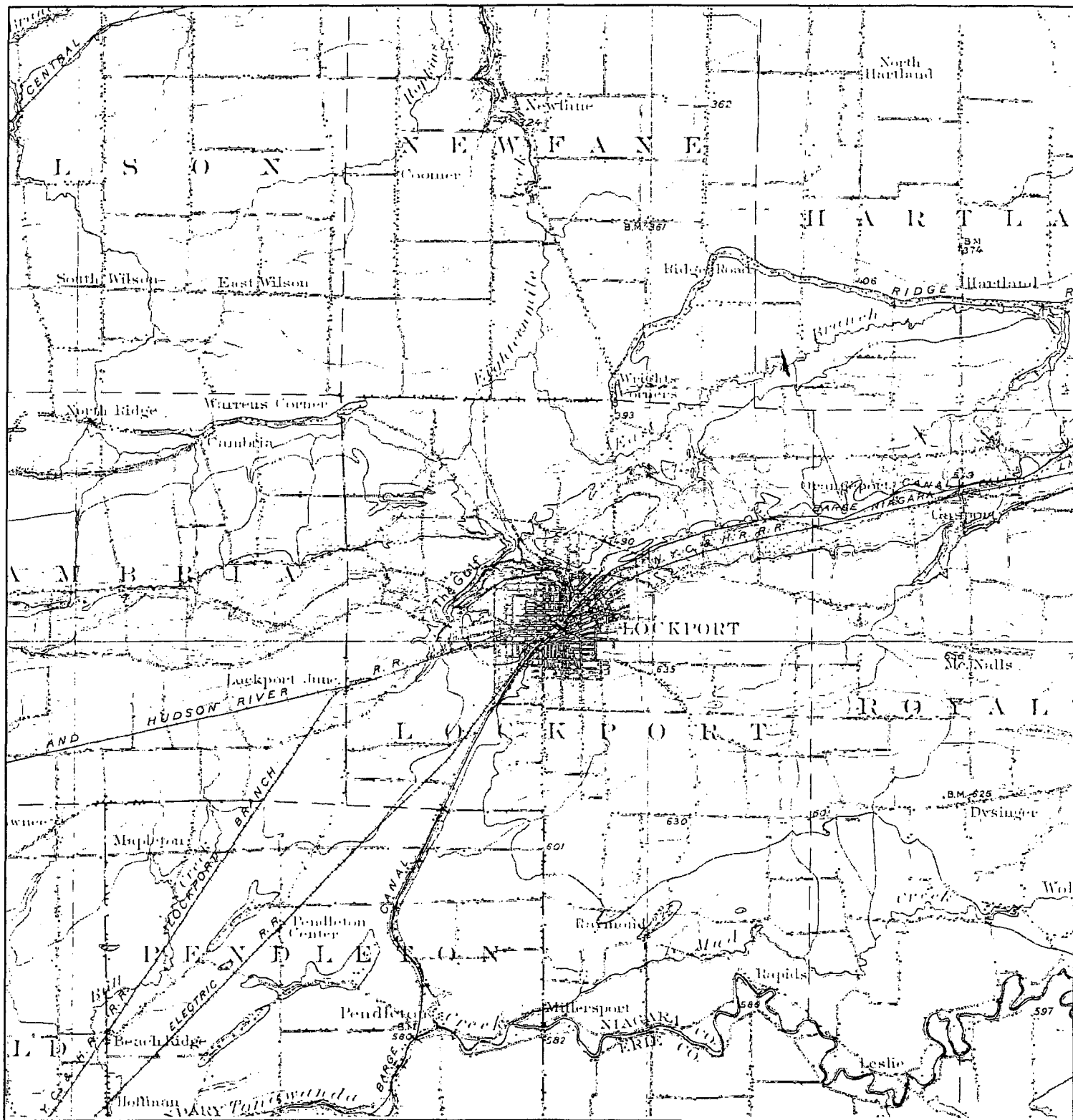
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Historical Topographic Map



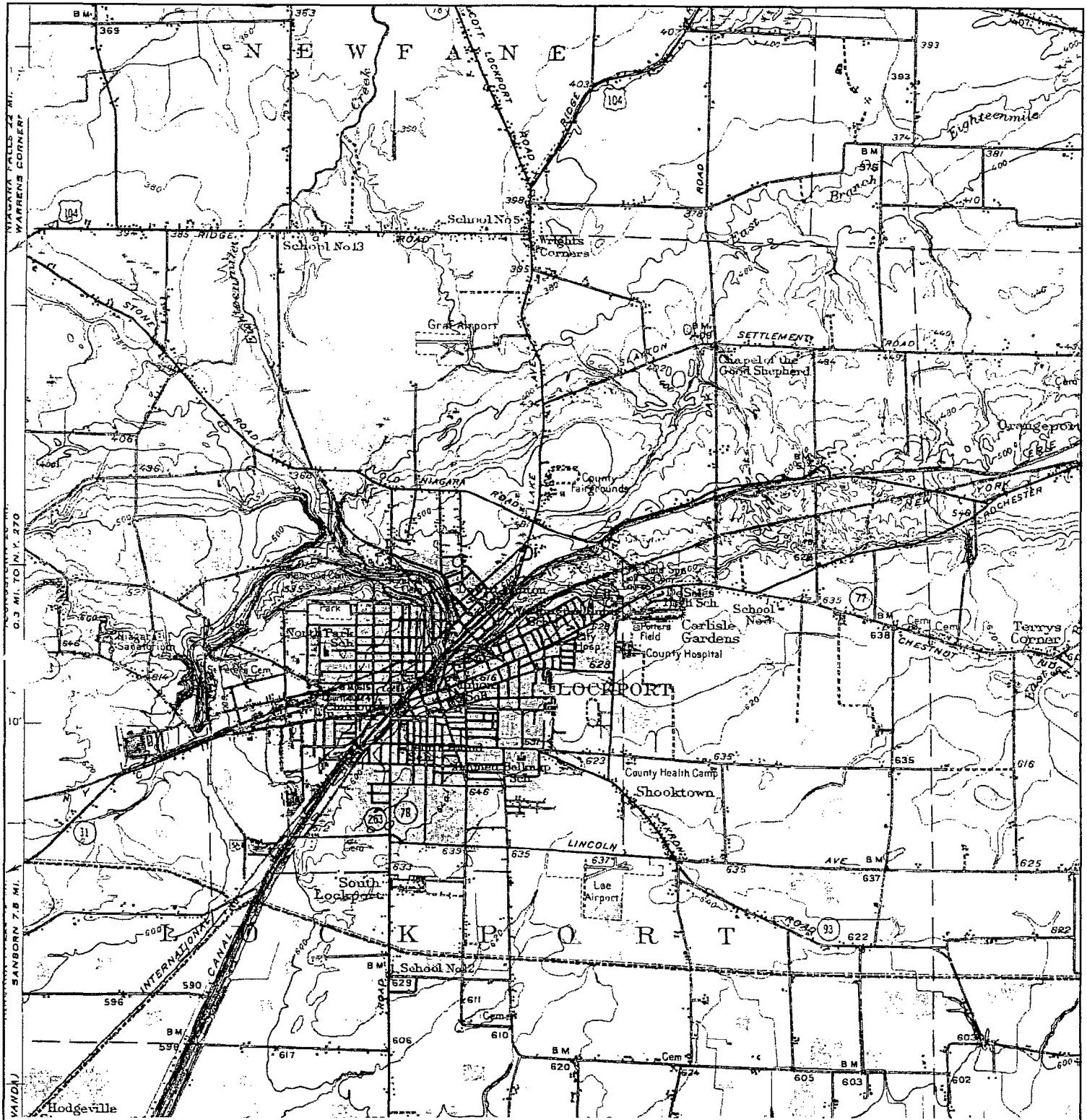
N T	TARGET QUAD NAME: LOCKPORT MAP YEAR: 1897	SITE NAME: Van DE Mark ADDRESS: 1 N Transit Rd Lockport, NY 14094	CLIENT: Environ Corporation CONTACT: Mariel Harvey INQUIRY#: 3132954.4 RESEARCH DATE: 07/25/2011
	SERIES: 15 SCALE: 1:62500	LAT/LONG: 43.184 / -78.6973	

Historical Topographic Map



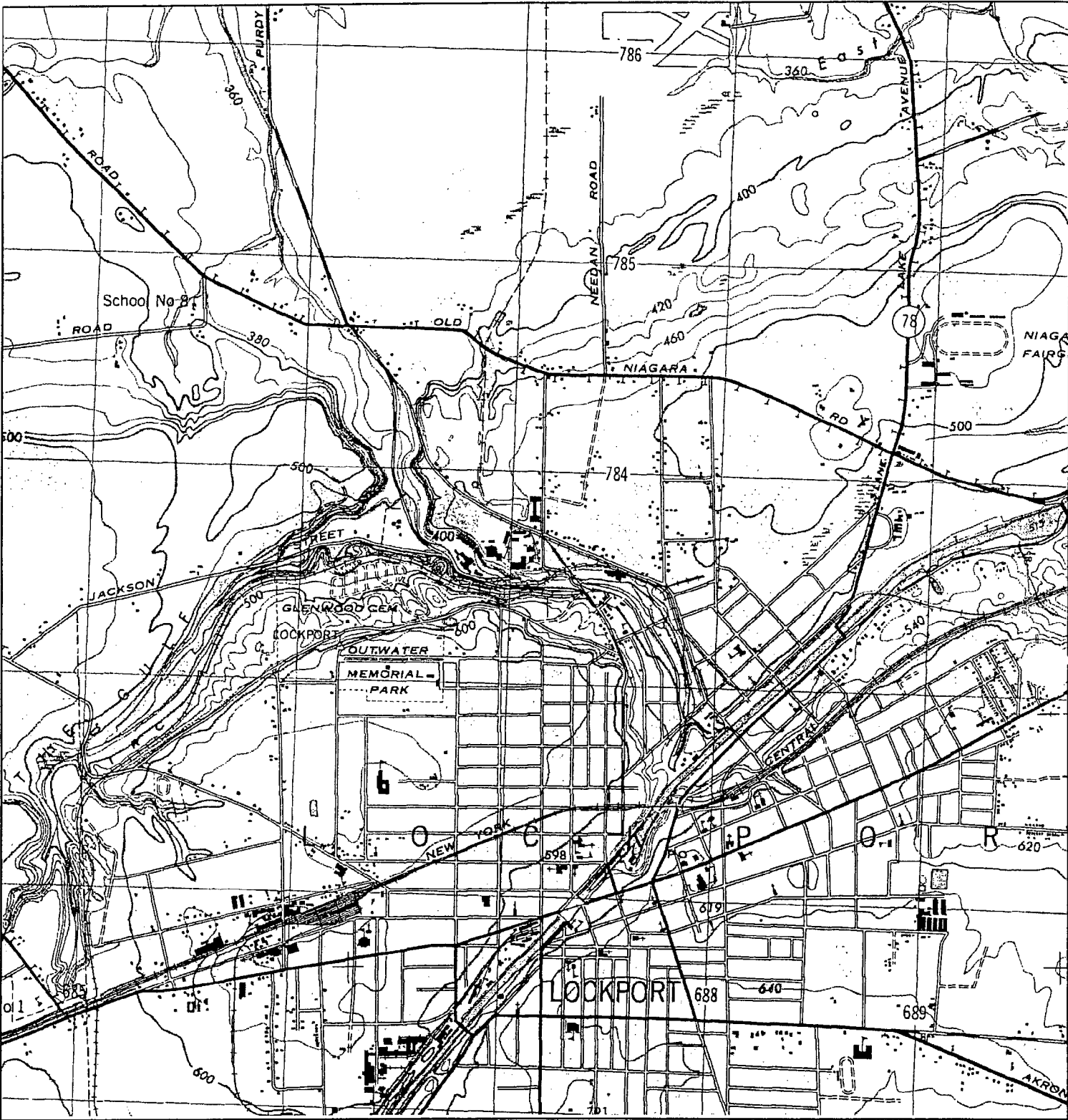
<p>N ↑</p>	<p>TARGET QUAD NAME: NIAGARA MAP YEAR: 1899 SERIES: 30 SCALE: 1:125000</p>	<p>SITE NAME: Van DE Mark ADDRESS: 1 N Transit Rd Lockport, NY 14094 LAT/LONG: 43.184 / -78.6973</p>	<p>CLIENT: Environ Corporation CONTACT: Mariel Harvey INQUIRY#: 3132954.4 RESEARCH DATE: 07/25/2011</p>
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Historical Topographic Map



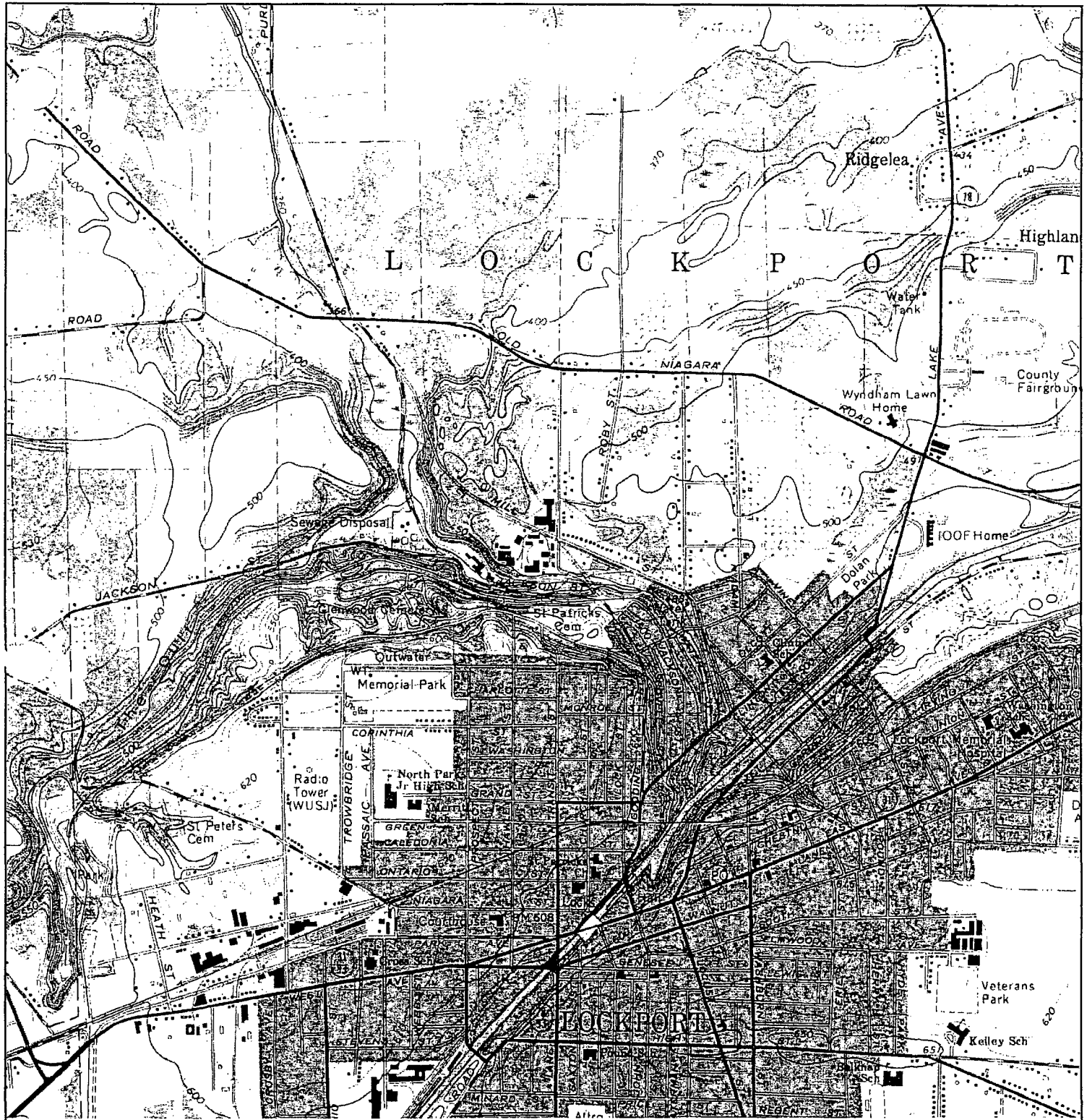
<p>N</p> <p>1</p>	<p>TARGET QUAD</p> <p>NAME: LOCKPORT</p> <p>MAP YEAR: 1948</p> <p>SERIES: 15</p> <p>SCALE: 1:62500</p>	<p>SITE NAME: Van DE Mark</p> <p>ADDRESS: 1 N Transit Rd Lockport, NY 14094</p> <p>LAT/LONG: 43.184 / -78.6973</p>	<p>CLIENT: Environ Corporation</p> <p>CONTACT: Mariel Harvey</p> <p>INQUIRY#: 3132954.4</p> <p>RESEARCH DATE: 07/25/2011</p>
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Historical Topographic Map



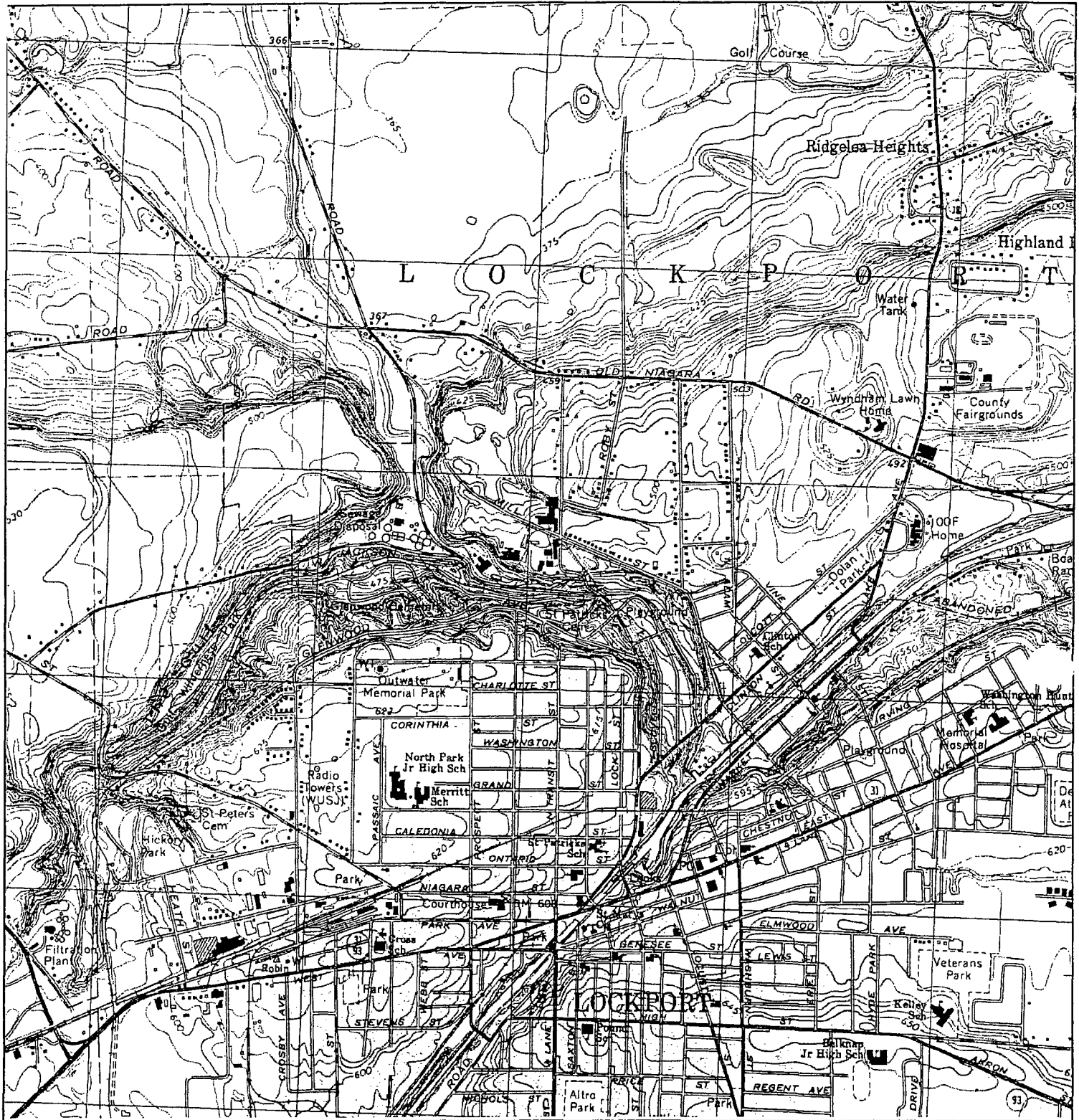
<div>N</div> <div>↑</div>	TARGET QUAD	SITE NAME:	Van DE Mark	CLIENT:	Environ Corporation
	NAME: LOCKPORT	ADDRESS:	1 N Transit Rd	CONTACT:	Mariel Harvey
	MAP YEAR: 1949		Lockport, NY 14094	INQUIRY#:	3132954.4
	SERIES: 7.5	LAT/LONG:	43.184 / -78.6973	RESEARCH DATE:	07/25/2011
	SCALE: 1:25000				

Historical Topographic Map



<p>N</p> <p>TARGET QUAD NAME: LOCKPORT MAP YEAR: 1965</p> <p>SERIES: 7.5 SCALE: 1:24000</p>	<p>SITE NAME: Van DE Mark ADDRESS: 1 N Transit Rd Lockport, NY 14094 LAT/LONG: 43.184 / -78.6973</p>	<p>CLIENT: Environ Corporation CONTACT: Mariel Harvey INQUIRY#: 3132954.4 RESEARCH DATE: 07/25/2011</p>
---	--	---

Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: LOCKPORT MAP YEAR: 1980 SERIES: 7.5 SCALE: 1:25000</p>	<p>SITE NAME: Van DE Mark ADDRESS: 1 N Transit Rd Lockport, NY 14094 LAT/LONG: 43.184 / -78.6973</p>	<p>CLIENT: Environ Corporation CONTACT: Mariel Harvey INQUIRY#: 3132954.4 RESEARCH DATE: 07/25/2011</p>
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Appendix C.2

Aerial Photographs

Van DE Mark

1 N Transit Rd

Lockport, NY 14094

Inquiry Number: 3132954.5

August 01, 2011

The EDR Aerial Photo Decade Package



440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Date EDR Searched Historical Sources:

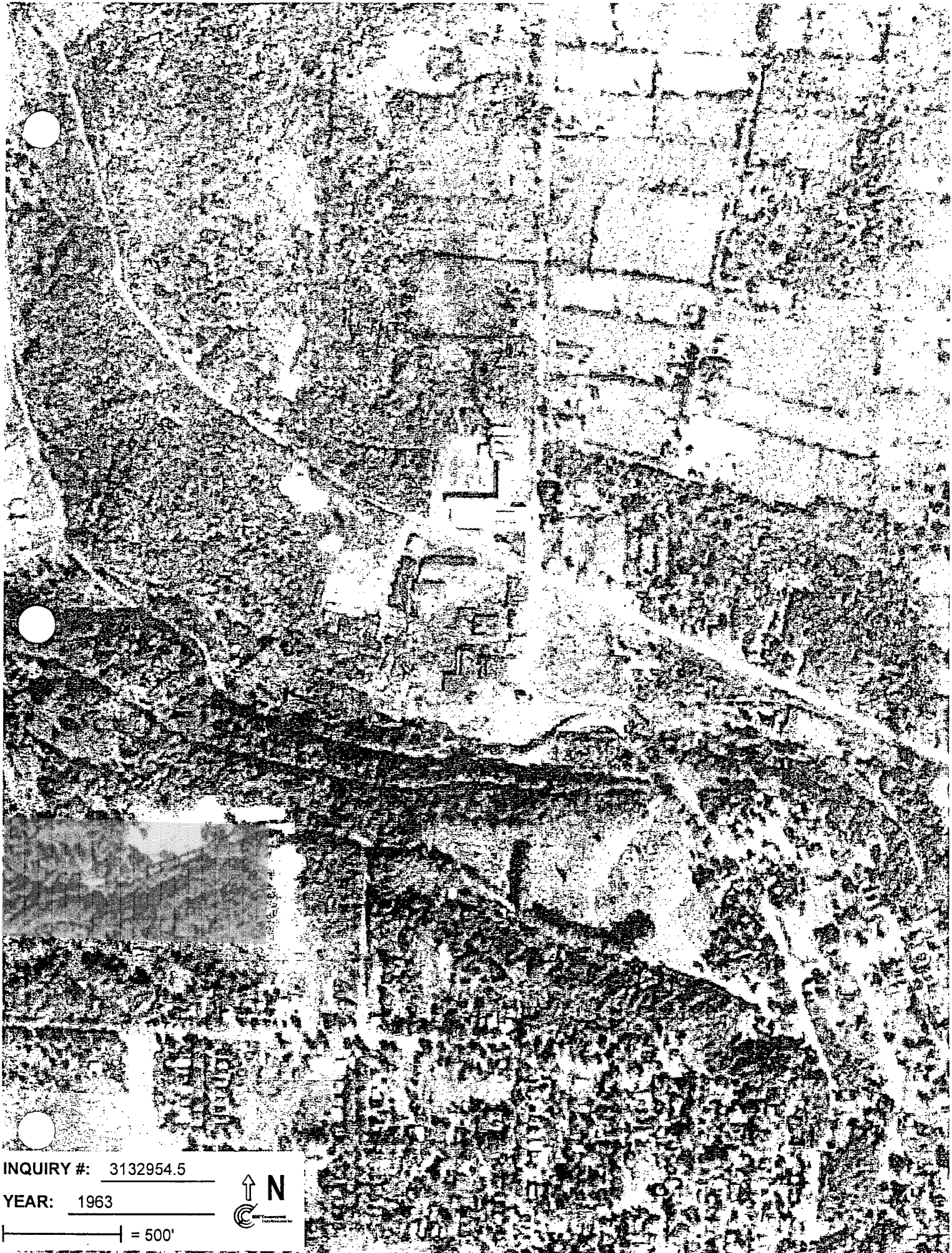
Aerial Photography August 01, 2011

Target Property:

1 N Transit Rd

Lockport, NY 14094

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1963	Aerial Photograph. Scale: 1"=500'	Panel #: 43078-B6, Lockport, NY; Flight Date: September 24, 1963	EDR
1972	Aerial Photograph. Scale: 1"=500'	Panel #: 43078-B6, Lockport, NY; Flight Date: May 13, 1972	EDR
1978	Aerial Photograph. Scale: 1"=1000'	Panel #: 43078-B6, Lockport, NY; Flight Date: October 21, 1978	EDR
1985	Aerial Photograph. Scale: 1"=1000'	Panel #: 43078-B6, Lockport, NY; Flight Date: May 03, 1985	EDR
1995	Aerial Photograph. Scale: 1"=604'	Panel #: 43078-B6, Lockport, NY; Composite DOQQ - acquisition dates: March 28, 1995	EDR
2006	Aerial Photograph. Scale: 1"=604'	Panel #: 43078-B6, Lockport, NY; Flight Year: 2006	EDR
2008	Aerial Photograph. Scale: 1"=604'	Panel #: 43078-B6, Lockport, NY; Flight Year: 2008	EDR

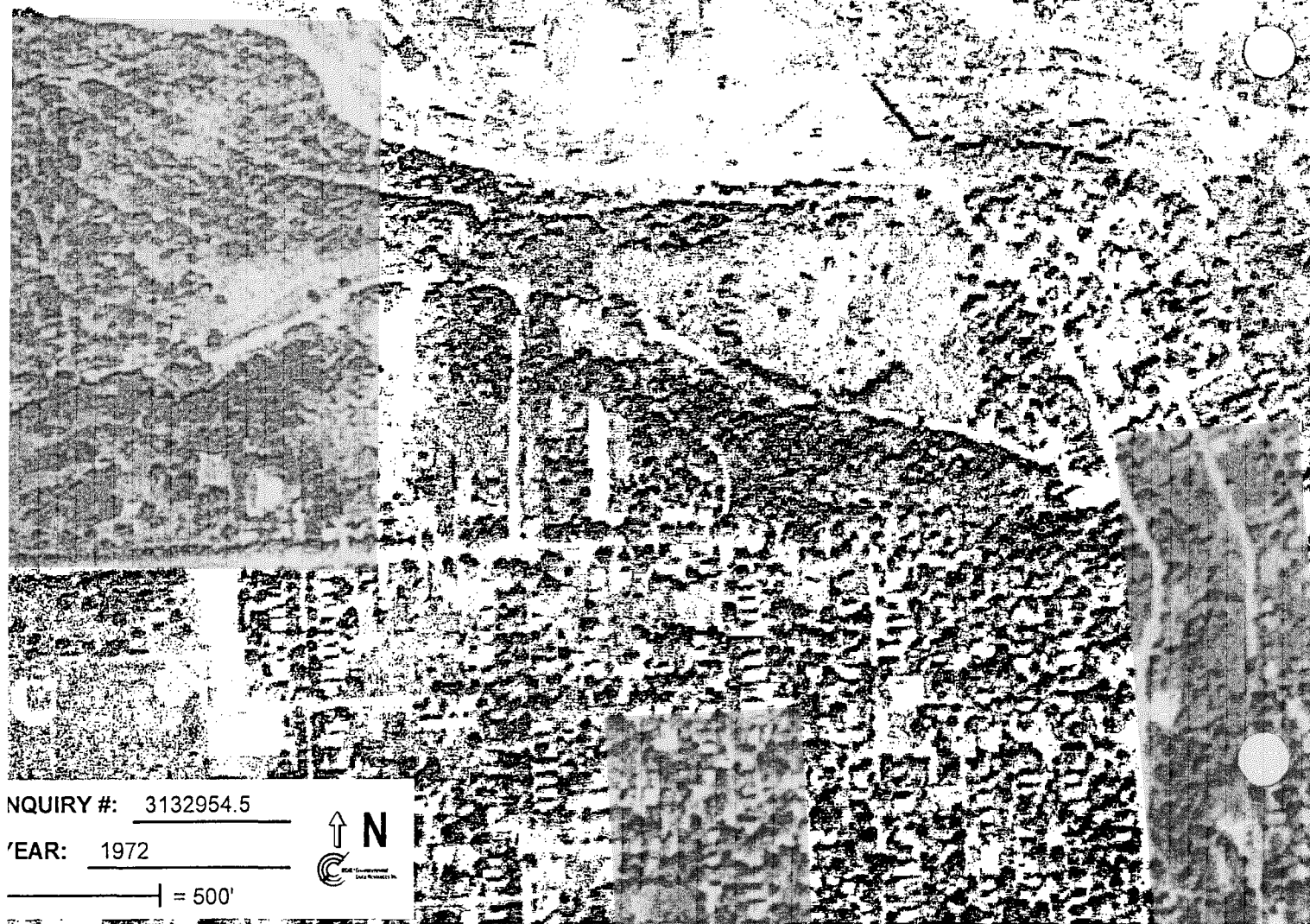


INQUIRY #: 3132954.5

YEAR: 1963

— = 500'

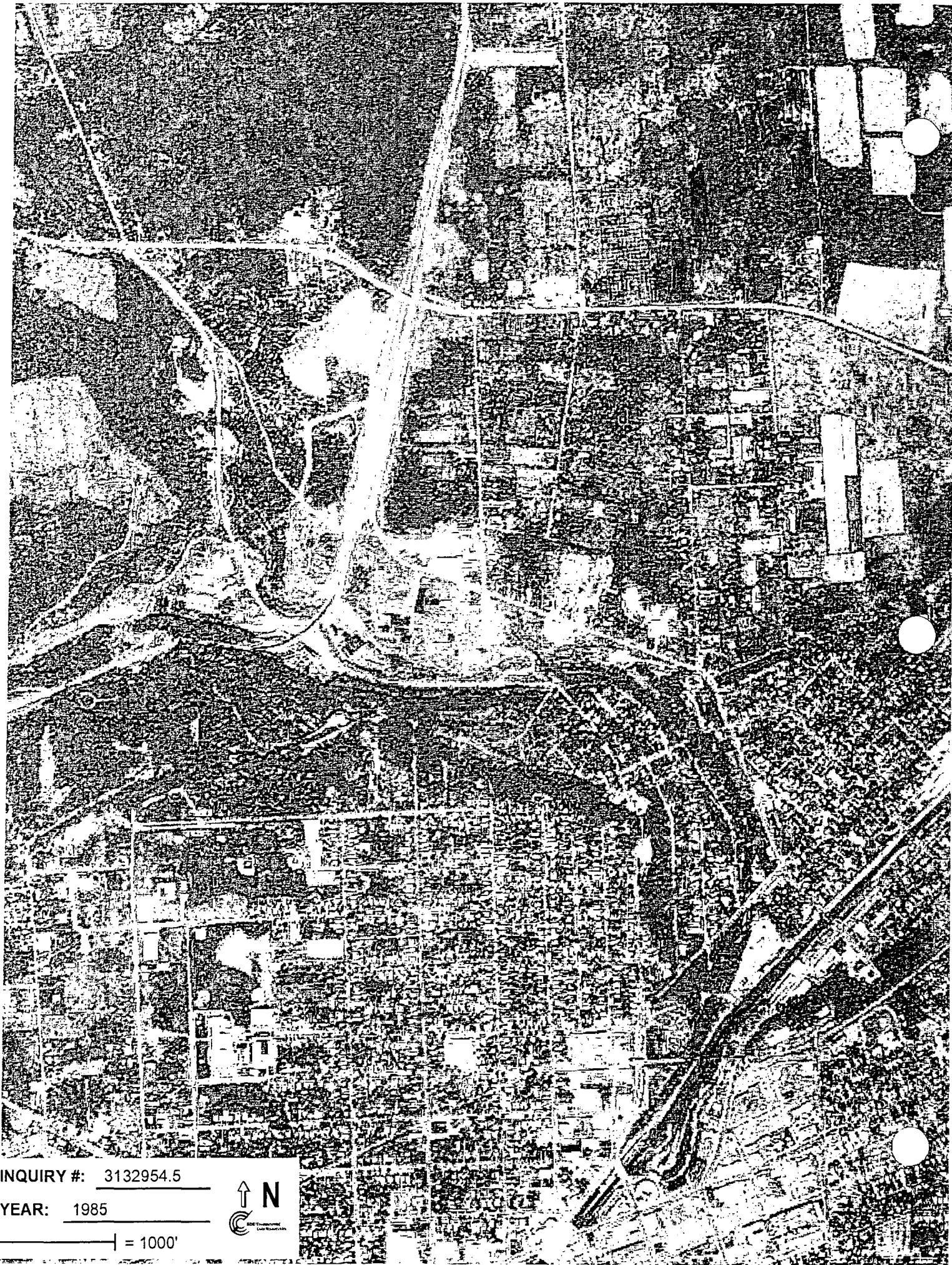






INQUIRY #: 3132954.5
YEAR: 1978
= 1000'





INQUIRY #: 3132954.5

YEAR: 1985

— = 1000'





INQUIRY #: 3132954.5

YEAR: 1995

1" = 604'



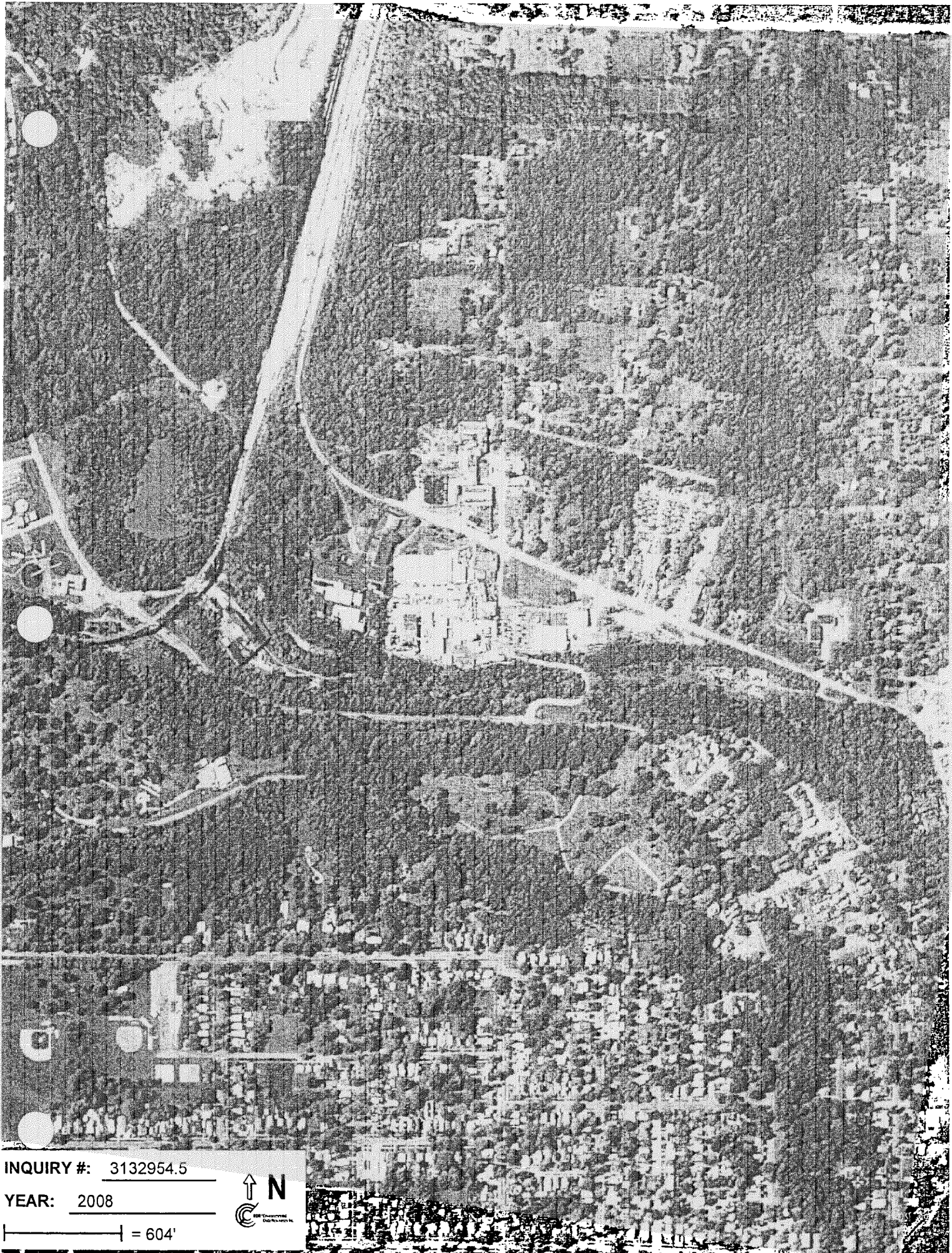


INQUIRY #: 3132954.5

YEAR: 2006

| = 604'





INQUIRY #: 3132954.5

YEAR: 2008

— = 604'



Appendix C.3
Abstract of City Directories

Van DE Mark
1 N Transit Rd
Lockport, NY 14094

Inquiry Number: 3132954.6
July 29, 2011

The EDR-City Directory Abstract



440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrmet.com

TABLE OF CONTENTS

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Executive Summary

Findings

Thank you for your business.
Please contact EDR at 1-800-352-0050
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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2010	Polk's City Directory	X	X	X	-
2005	Polk's City Directory	X	X	X	-
2000	Polk's City Directory	X	X	X	-
1996	Polk's City Directory	X	X	X	-
1991	Polk's City Directory	X	X	X	-
1986	Polk's City Directory	X	X	X	-
1980	Polk's City Directory	X	X	X	-
1975	Polk's City Directory	X	X	X	-
1970	Polk's City Directory	X	X	X	-
1965	Polk's City Directory	X	X	X	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
440 Mill St	Client Entered	
518 Mill St	Client Entered	
2 N Transit Rd	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1 N Transit Rd
Lockport, NY 14094

FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	Van De Mark Chemical Inc (industrial organic chems)	Polk's City Directory
2005	Isochem Inc	Polk's City Directory
	Van De Mark Chemical Inc (industrial organic chems)	Polk's City Directory
2000	Van De Mark Chemical Inc (industrial organic chems)	Polk's City Directory
1996	Van Chem	Polk's City Directory
	Van De Mark Chemical	Polk's City Directory
	Vanchlor (chem mfg)	Polk's City Directory
1991	Van De Mark Chemical	Polk's City Directory
	Vanchlor (chem mfg)	Polk's City Directory
1986	Van De Mark Chemical	Polk's City Directory
1980	Van De Mark Chemical	Polk's City Directory
1975	Van De Mark Chemical	Polk's City Directory
1970	Van De Mark Chemical	Polk's City Directory
1965	Titan Chemical Co	Polk's City Directory
	Van De Mark Chemical	Polk's City Directory

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

Mill St

500 Mill St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	Milward Alloys Inc (fndry)	Polk's City Directory
2005	Milward Alloys Inc (secondary smelting/refining)	Polk's City Directory
2000	Milward Alloys	Polk's City Directory
1996	Milward Alloys	Polk's City Directory
1991	Milward Alloys	Polk's City Directory

520 Mill St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	Twin Lakes Chemical Inc (mfr)	Polk's City Directory
2005	Twin Lakes Chemical Inc (mfr)	Polk's City Directory
2000	Twin Lakes Chemical Inc	Polk's City Directory
1996	J H Products Inc (chem mfr/sls)	Polk's City Directory
	Twin Lakes Chemical Inc	Polk's City Directory
1991	Twin Lakes Chemical Inc	Polk's City Directory
1986	Lockport Assembly Co (pkg/assembly)	Polk's City Directory
	The Mill Store (fcty outlet)	Polk's City Directory
	Twin Lakes Chemical Inc	Polk's City Directory
1980	Expo Communications Inc	Polk's City Directory
	Lockport Assembly Co (pkg/assembly)	Polk's City Directory
	Lockport Products Inc	Polk's City Directory
	McGonigle & Hilger Roofing Inc	Polk's City Directory
	Twin Lakes Chemical Inc	Polk's City Directory
1975	McGonigle & Hilger Roofing Inc	Polk's City Directory
1970	Norton Laboratories Inc (plastics mfr)	Polk's City Directory
1965	Norton Laboratories Inc (plastics mfr)	Polk's City Directory

Unnumbered Mill St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Milward Alloys	Polk's City Directory
1980	Milward Alloys	Polk's City Directory
1975	Milward Alloys (Plant)	Polk's City Directory

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	Milward Alloys Inc	Polk's City Directory
1965	Milward Alloys Inc	Polk's City Directory

N Transit Rd

5 N Transit Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Walgreens	Polk's City Directory

87 N Transit Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	No current listing	Polk's City Directory
2005	No current listing	Polk's City Directory
2000	Residential	Polk's City Directory
1996	Residential	Polk's City Directory
1991	Residential	Polk's City Directory
1986	Residential	Polk's City Directory
1980	Residential	Polk's City Directory
1975	Residential	Polk's City Directory
1970	Residential	Polk's City Directory
1965	Residential	Polk's City Directory

91 N Transit Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	Residential	Polk's City Directory
2005	Residential	Polk's City Directory
2000	Apts	Polk's City Directory
1996	Vacant	Polk's City Directory
1991	Residential	Polk's City Directory
1986	Residential	Polk's City Directory
1980	Residential	Polk's City Directory
1975	Vacant	Polk's City Directory
1970	Residential	Polk's City Directory
1965	Residential	Polk's City Directory

94 N Transit Rd

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	Foltz Upholstering Co	Polk's City Directory
2005	Foltz Upholstering Co	Polk's City Directory
2000	Foltz Upholstering Co	Polk's City Directory

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1996	Foltz Upholstery Co	Polk's City Directory
1991	Foltz Upholstery Co	Polk's City Directory
1986	Kevin Foltz (upholsterer)	Polk's City Directory
1980	Residential	Polk's City Directory
1975	Residential	Polk's City Directory
1970	Residential	Polk's City Directory
1965	Residential	Polk's City Directory

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched

Address Not Identified in Research Source

2 N Transit Rd	2010, 2005, 2000, 1996, 1991, 1986, 1980, 1975, 1970, 1965
440 Mill St	2010, 2005, 2000, 1996, 1991, 1986, 1980, 1975, 1970, 1965
5 N Transit Rd	2000, 1996, 1991, 1986, 1980, 1975, 1970, 1965
500 Mill St	1986, 1980, 1975, 1970, 1965
518 Mill St	2010, 2005, 2000, 1996, 1991, 1986, 1980, 1975, 1970, 1965
520 Mill St	No Years Found
87 N Transit Rd	No Years Found
91 N Transit Rd	No Years Found
94 N Transit Rd	No Years Found
Unnumbered Mill St	No Years Found

Appendix C.4

Historical Fire Insurance Maps

Van DE Mark

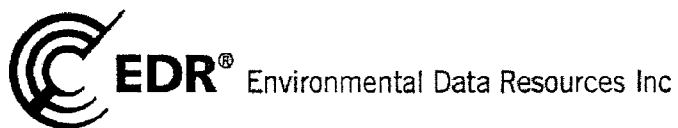
1 N Transit Rd

Lockport, NY 14094

Inquiry Number: 3132954.3

July 26, 2011

Certified Sanborn® Map Report



440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

7/26/11

Site Name:

Van DE Mark
1 N Transit Rd
Lockport, NY 14094

Client Name:

Environ Corporation
1 Gateway Center
Newark, NJ 07102



Environmental Data Resources Inc

EDR Inquiry # 3132954.3

Contact: Mariel Harvey

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Environ Corporation were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Van DE Mark
Address: 1 N Transit Rd
City, State, Zip: Lockport, NY 14094
Cross Street:
P.O. # NA
Project: NA
Certification # 36D9-47D5-A732



Sanborn® Library search results
Certification # 36D9-47D5-A732

Maps Provided:

1969	1903
1948	1898
1928	1892
1919	1886
1914	
1909	

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

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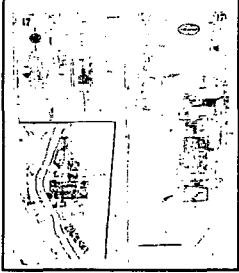
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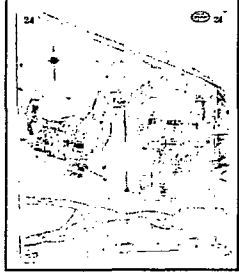
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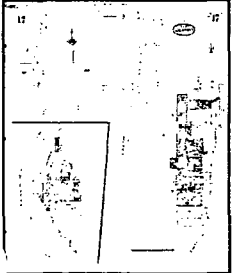


Volume 1, Sheet 17



Volume 1, Sheet 24

1948 Source Sheets

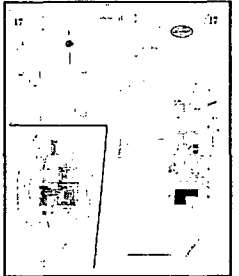


Volume 1, Sheet 17

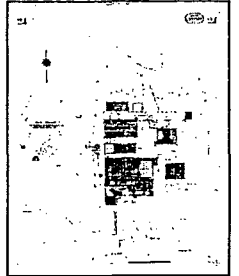


Volume 1, Sheet 24

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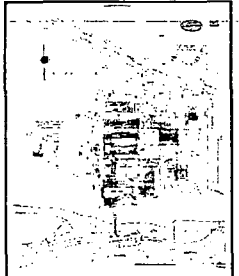


Volume 1, Sheet 17

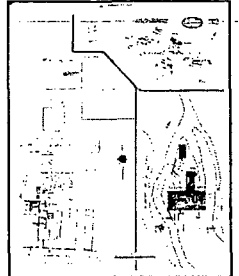


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1919 Source Sheets

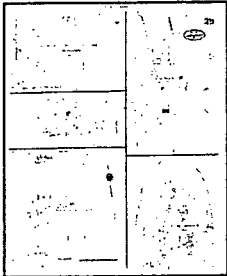


Volume 1, Sheet 25



Volume 1, Sheet 32

1914 Source Sheets



Volume 1, Sheet 39

1909 Source Sheets



Volume 1, Sheet 39

1903 Source Sheets



Volume 1, Sheet 25

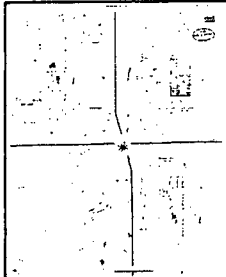


Volume 1, Sheet 26

1898 Source Sheets



Volume 1, Sheet 21



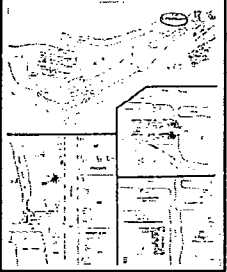
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Volume 1, Sheet 20

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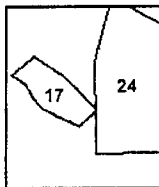
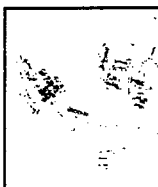
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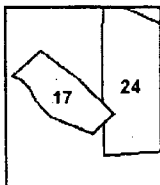
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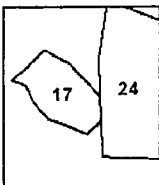
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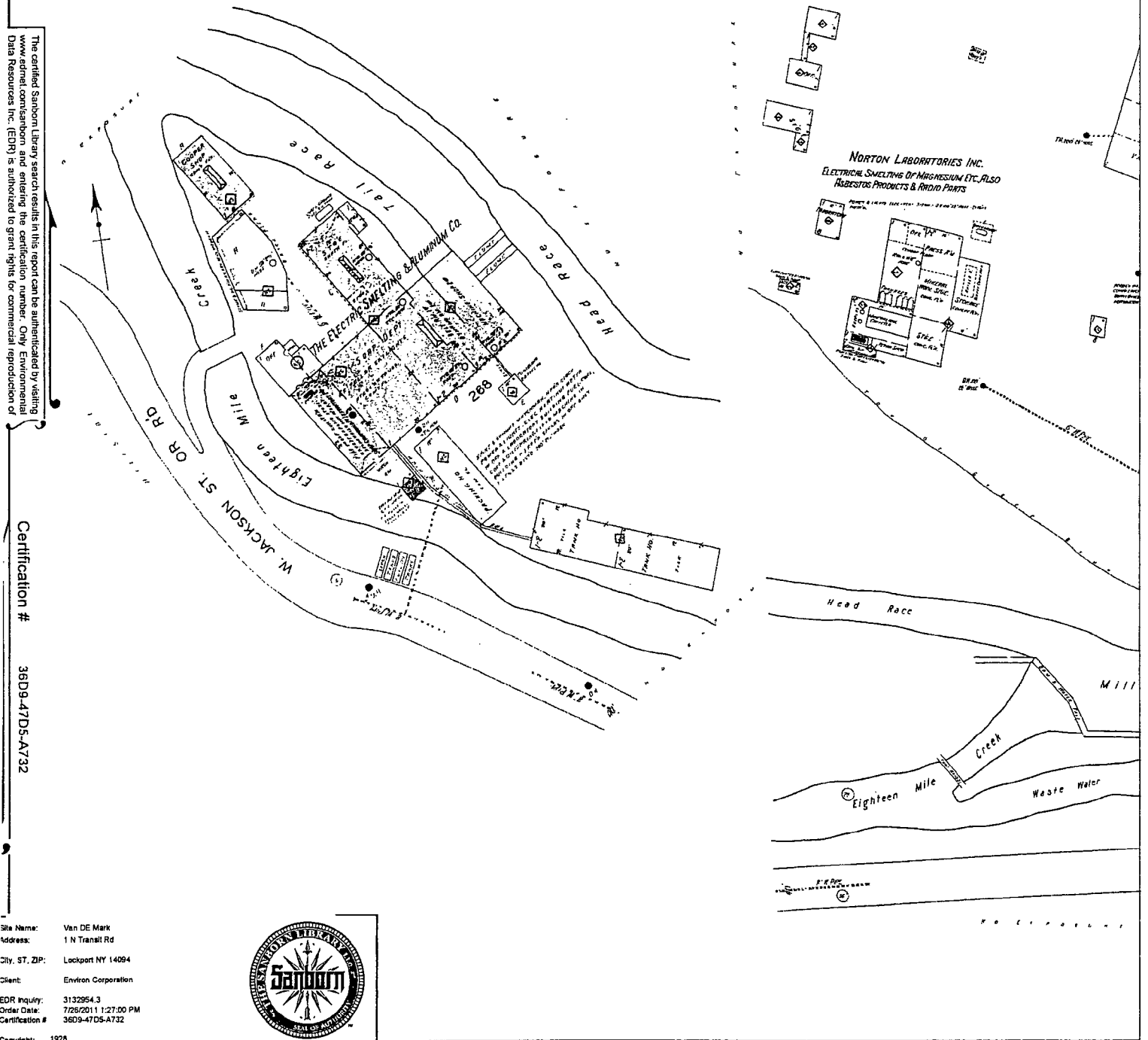
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3132954 - 3 page 23

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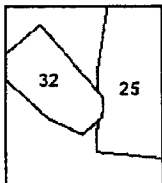
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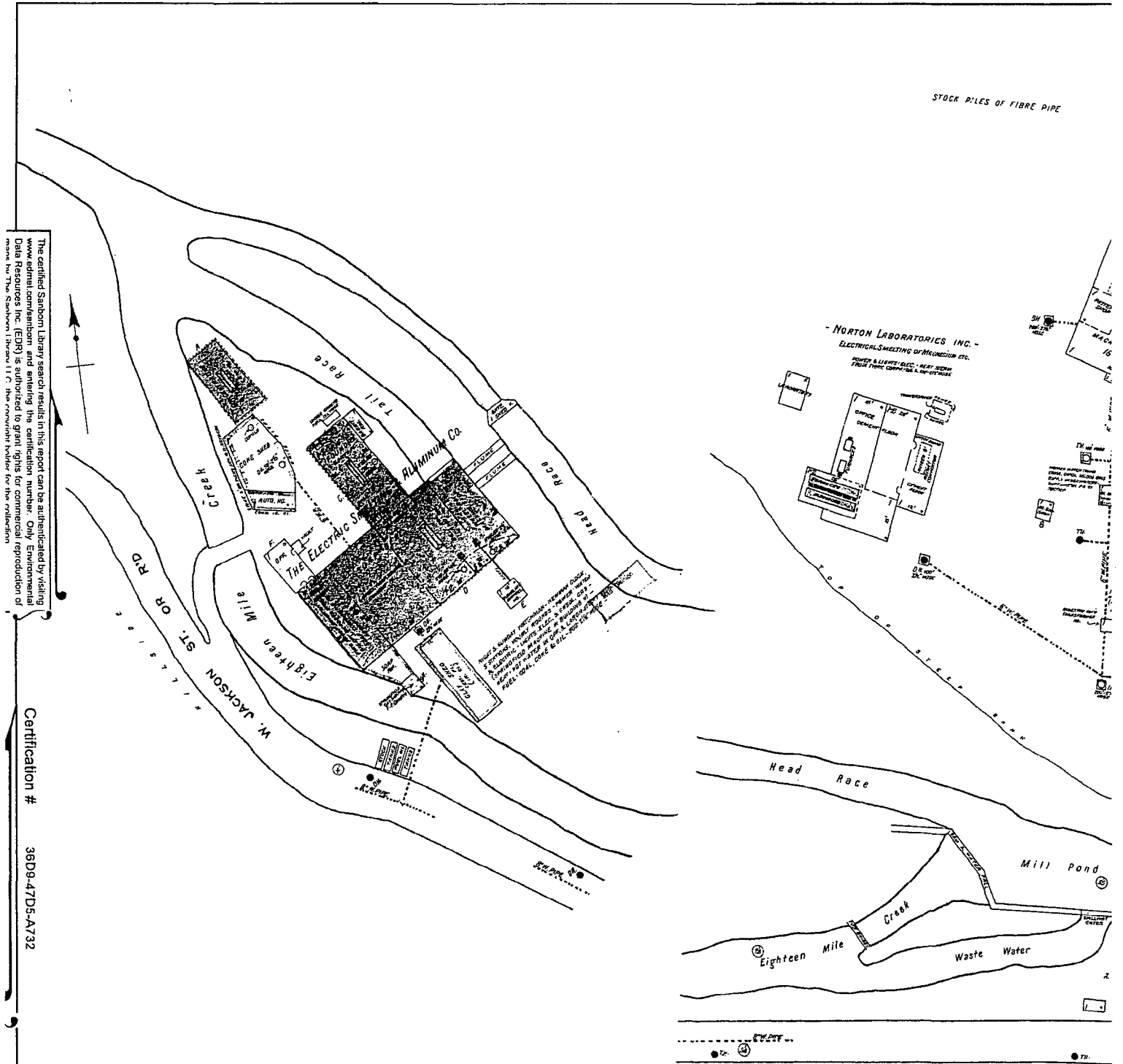


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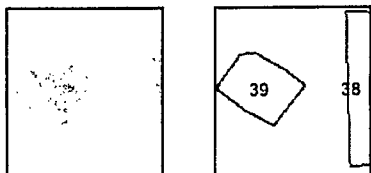
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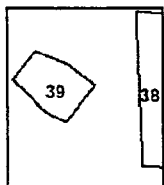
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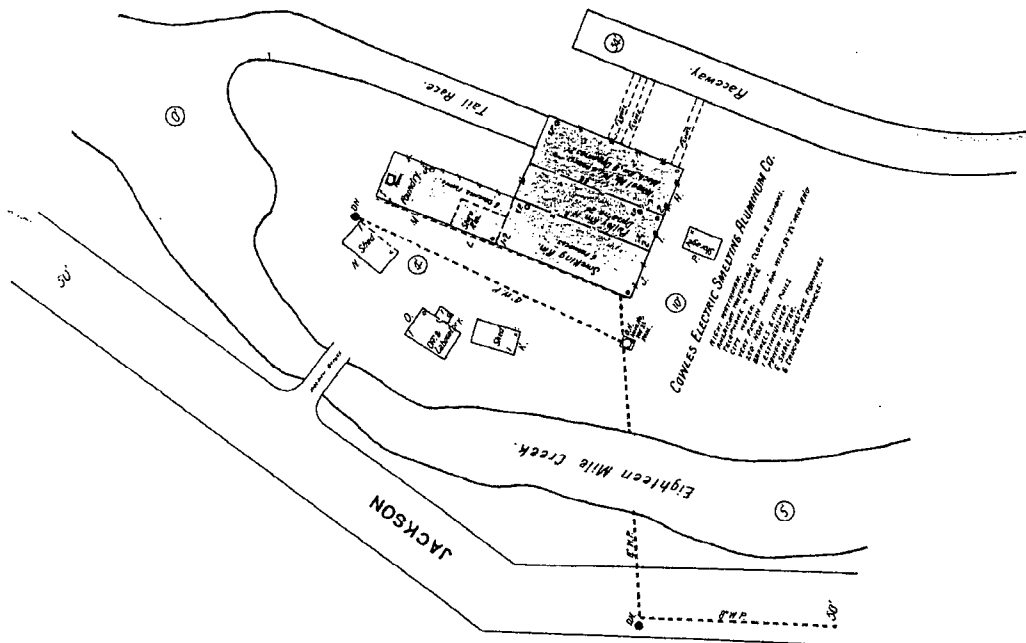


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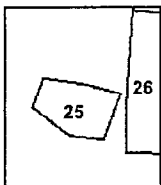
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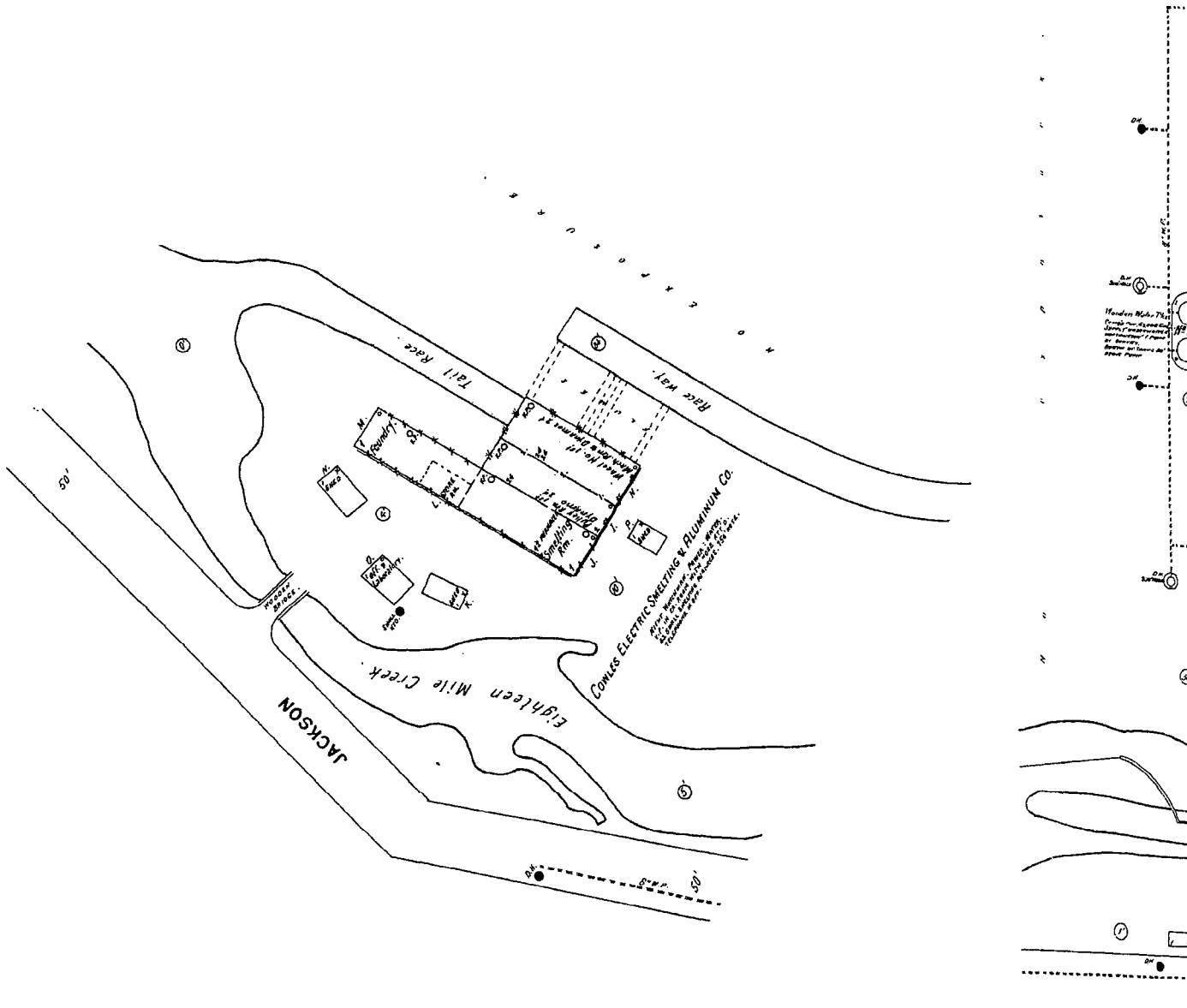
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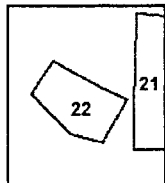
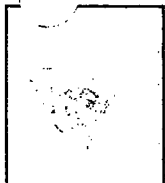
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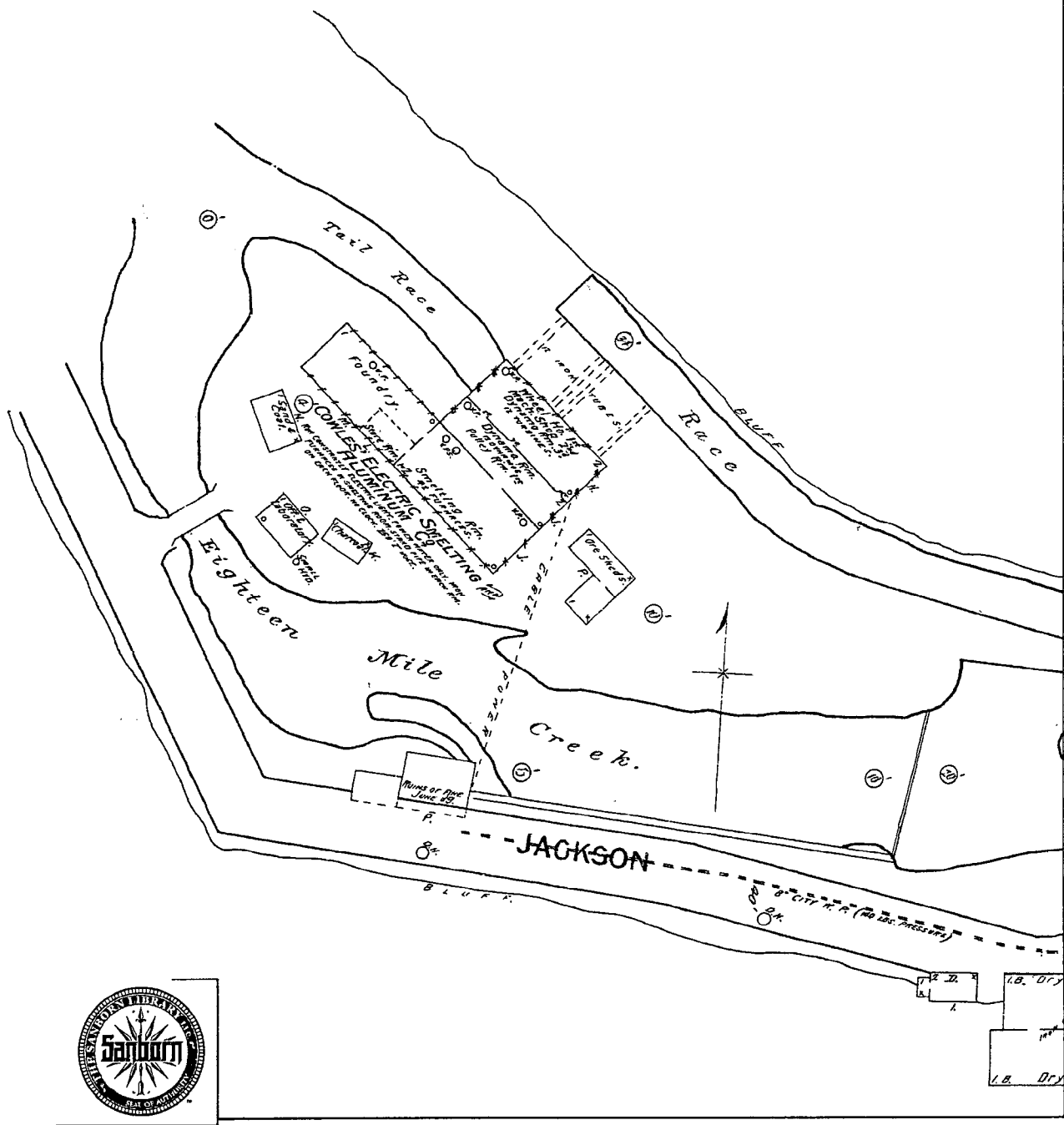
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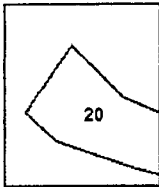
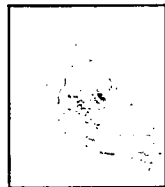
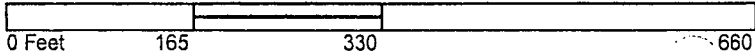
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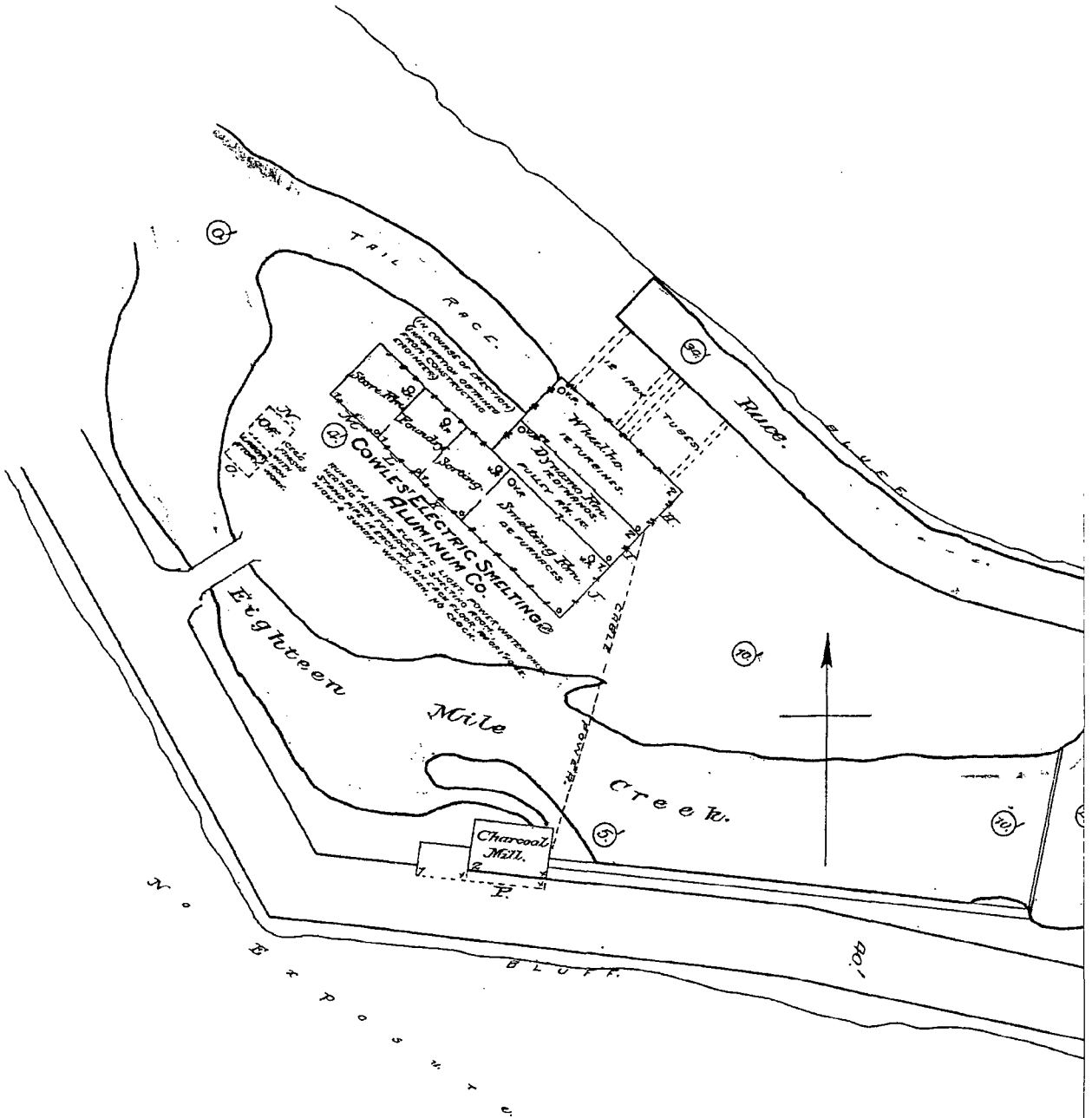


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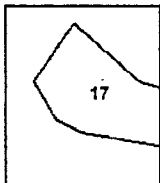
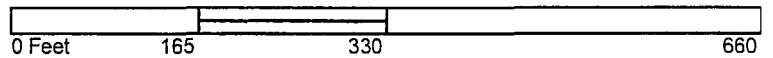
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Van DE Mark

1 N Transit Rd

Lockport, NY 14094

Inquiry Number: 3132954.3

July 26, 2011

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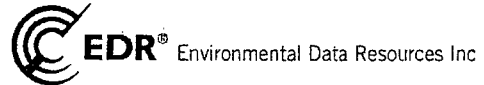
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Site Name:

Van DE Mark
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Lockport, NY 14094

Client Name:

Environ Corporation
1 Gateway Center
Newark, NJ 07102



EDR Inquiry # 3132954.3

Contact: Mariel Harvey

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Maps Provided:

1969	1903
1948	1898
1928	1892
1919	1886
1914	
1909	

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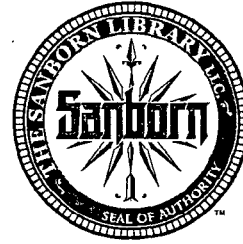
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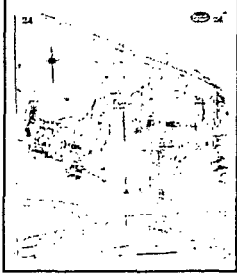
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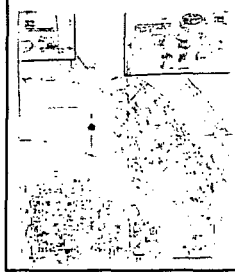
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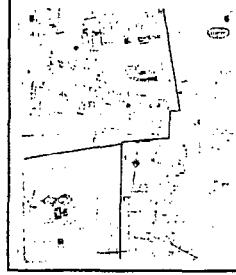
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Volume 1, Sheet 25

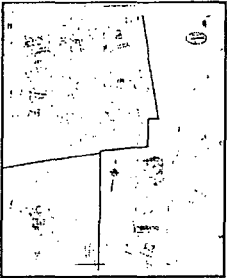


Volume 1, Sheet 32



Volume 1, Sheet 6

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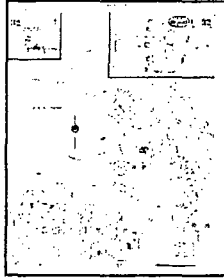
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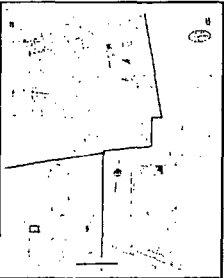


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Volume 1, Sheet 32

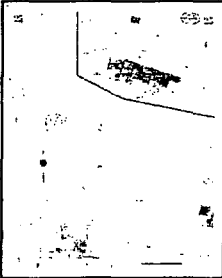
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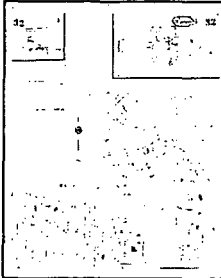
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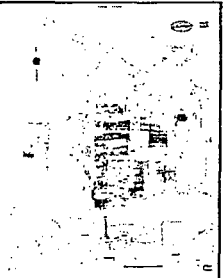


Volume 1, Sheet 25



Volume 1, Sheet 32

1919 Source Sheets



Volume 1, Sheet 25



Volume 1, Sheet 26



Volume 1, Sheet 36

1914 Source Sheets



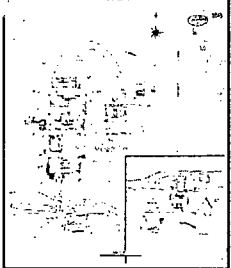
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1909 Source Sheets



Volume 1, Sheet 38

1903 Source Sheets



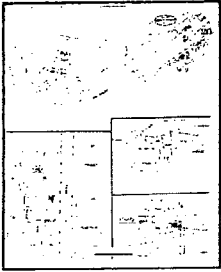
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1898 Source Sheets



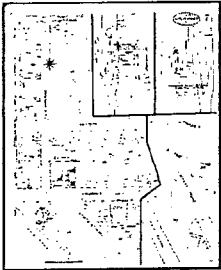
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Volume 1, Sheet 20

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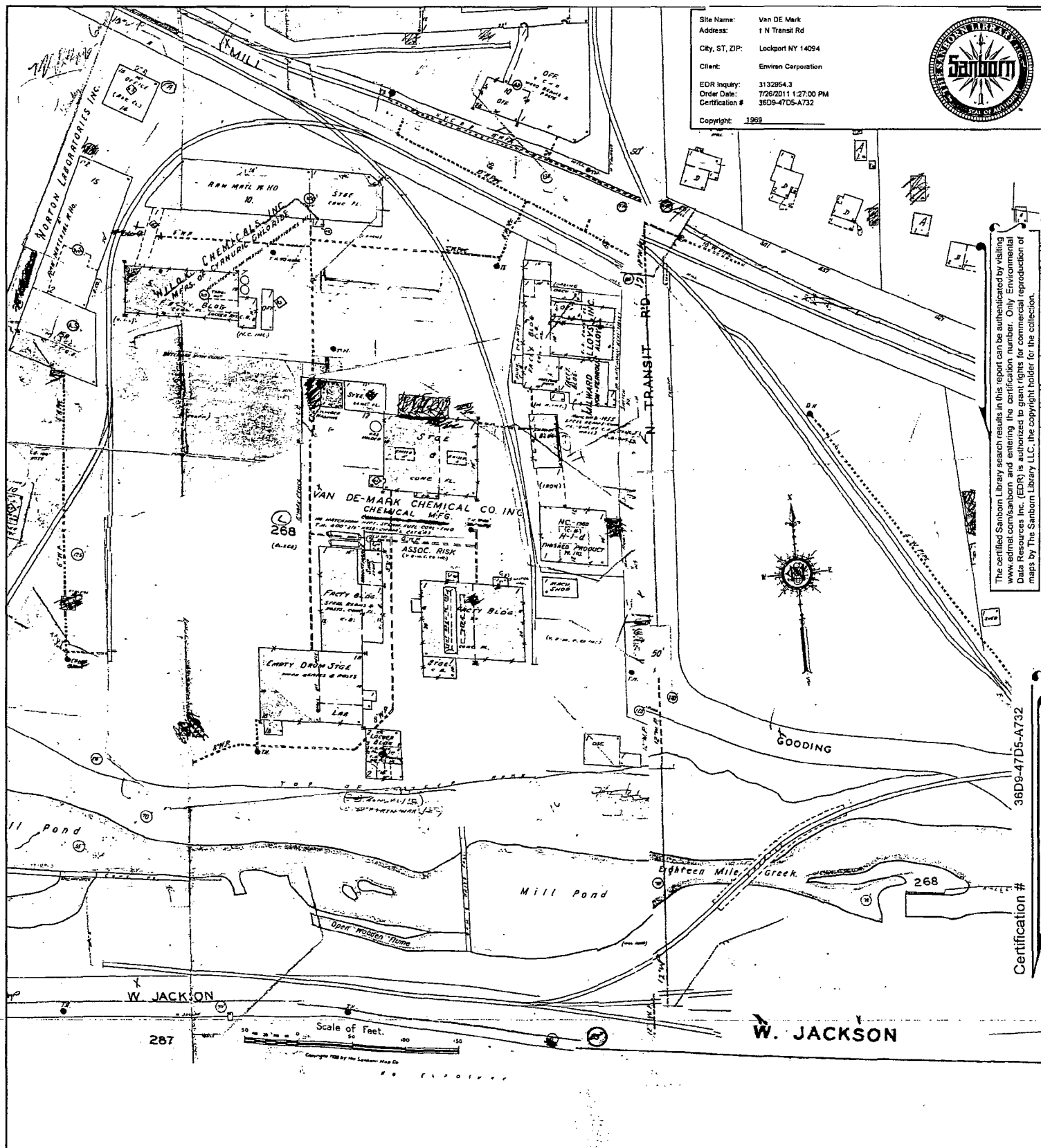


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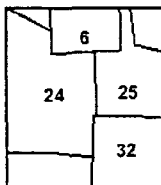
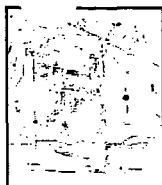


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This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.

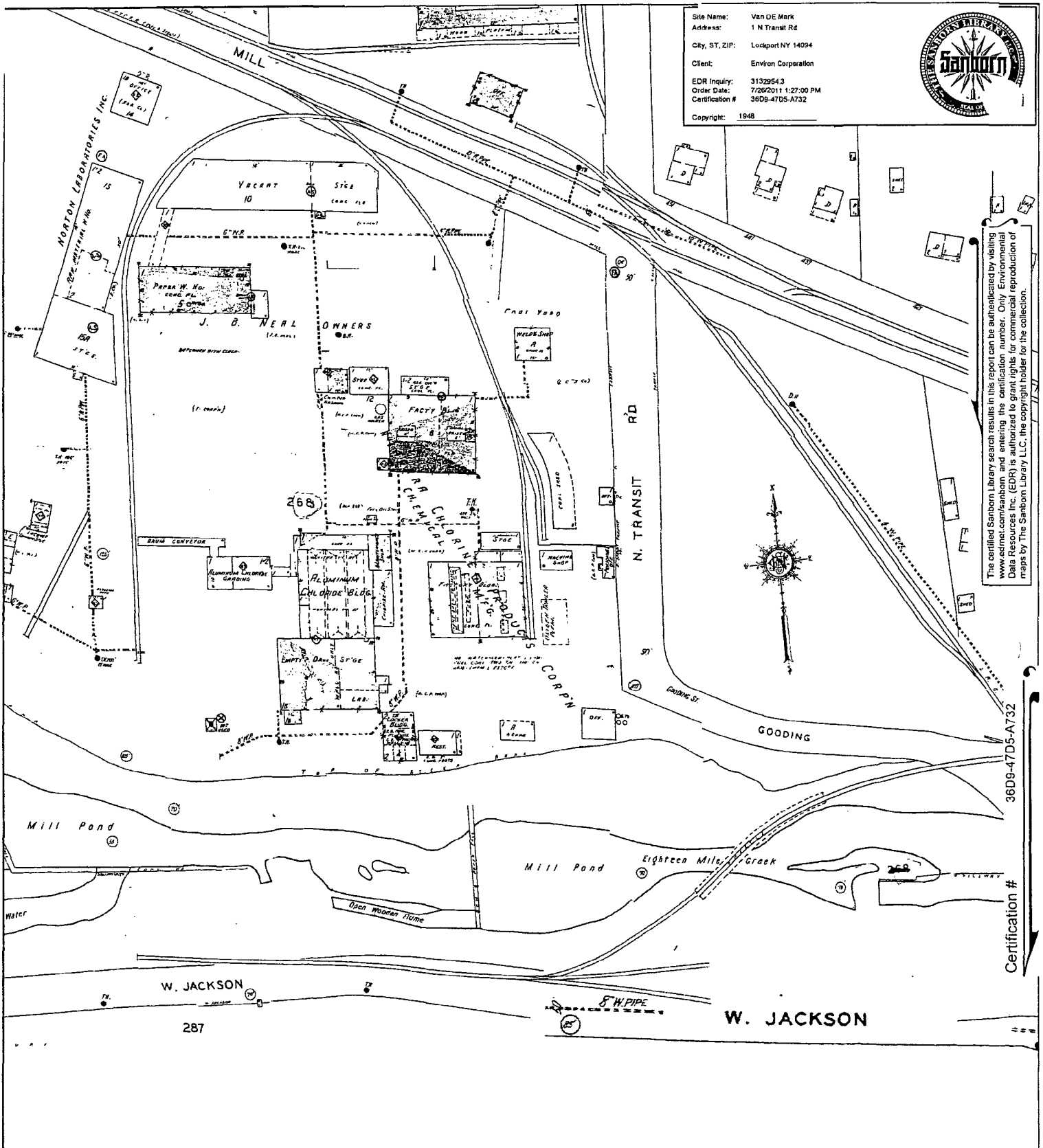


Volume 1, Sheet 24
 Volume 1, Sheet 25
 Volume 1, Sheet 32
 Volume 1, Sheet 6

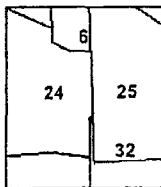
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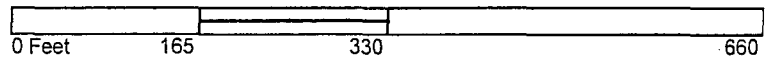
1948 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 6
 Volume 1, Sheet 25
 Volume 1, Sheet 24
 Volume 1, Sheet 32



PHOTOGRAPHIC LOG


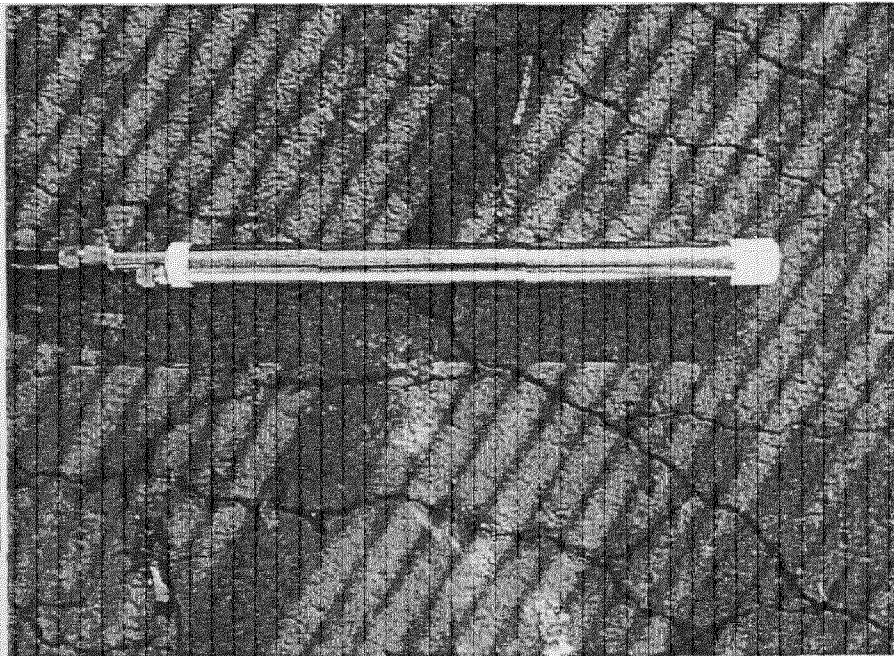
Client Name: Isochem, Inc.		Site Location: Monitoring well MW-2D	Project No.: 0049-007-100
Photo No. 1	Date 01/05/07		
Direction Photo Taken: Looking south toward south limit of Site			
Description: Typical surface setup of DNAPL recovery system. Two black tubes are shown; one air line and the other product recovery. Recovered product was stored in the blue drum.			

Photo No. 2	Date 01/04/07	
Direction Photo Taken: NA		
Description: 2-inch diameter QED pneumatic Pulse Pump (Model LP1301)		

PHOTOGRAPHIC LOG

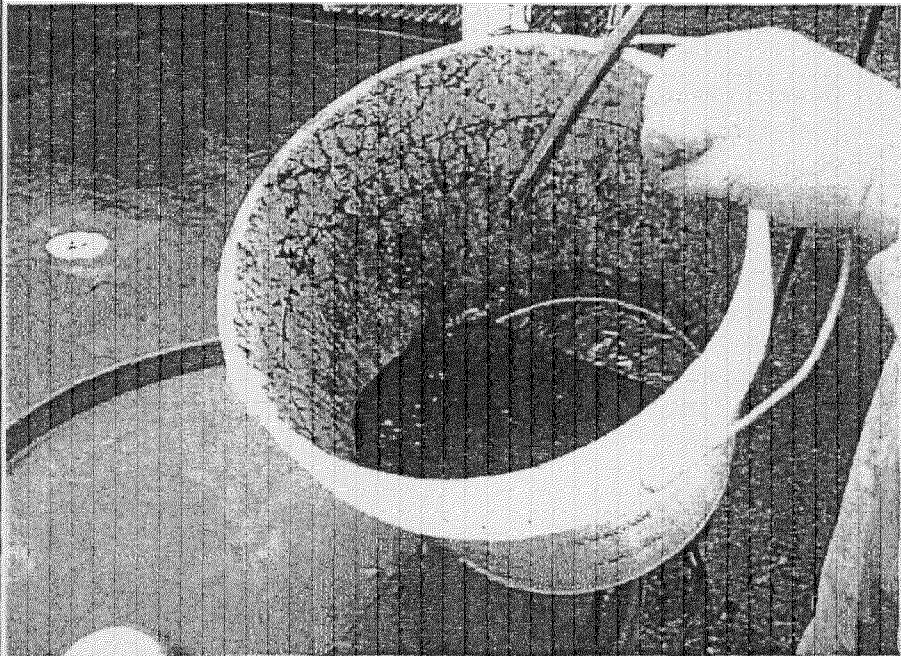
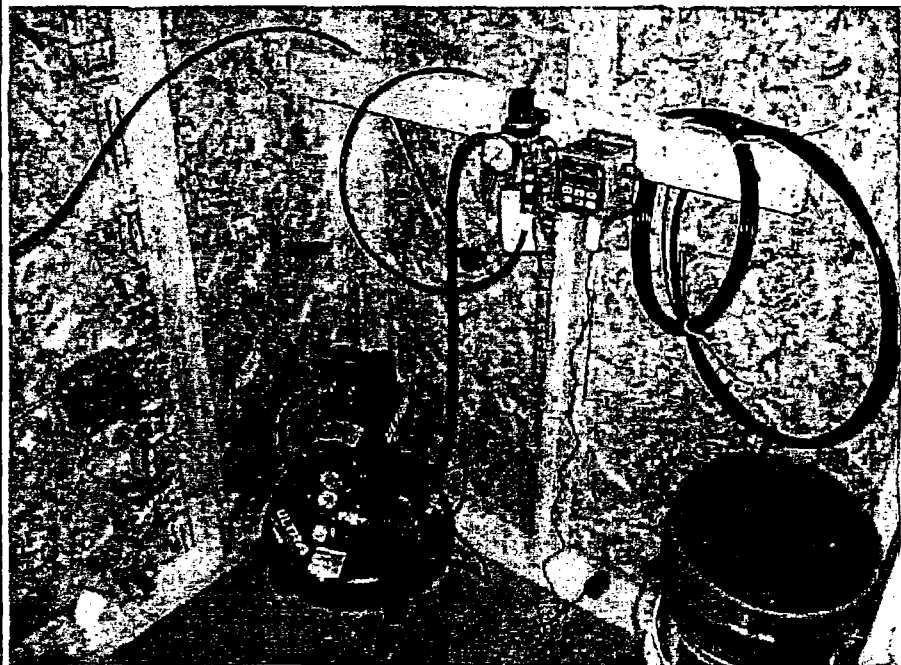
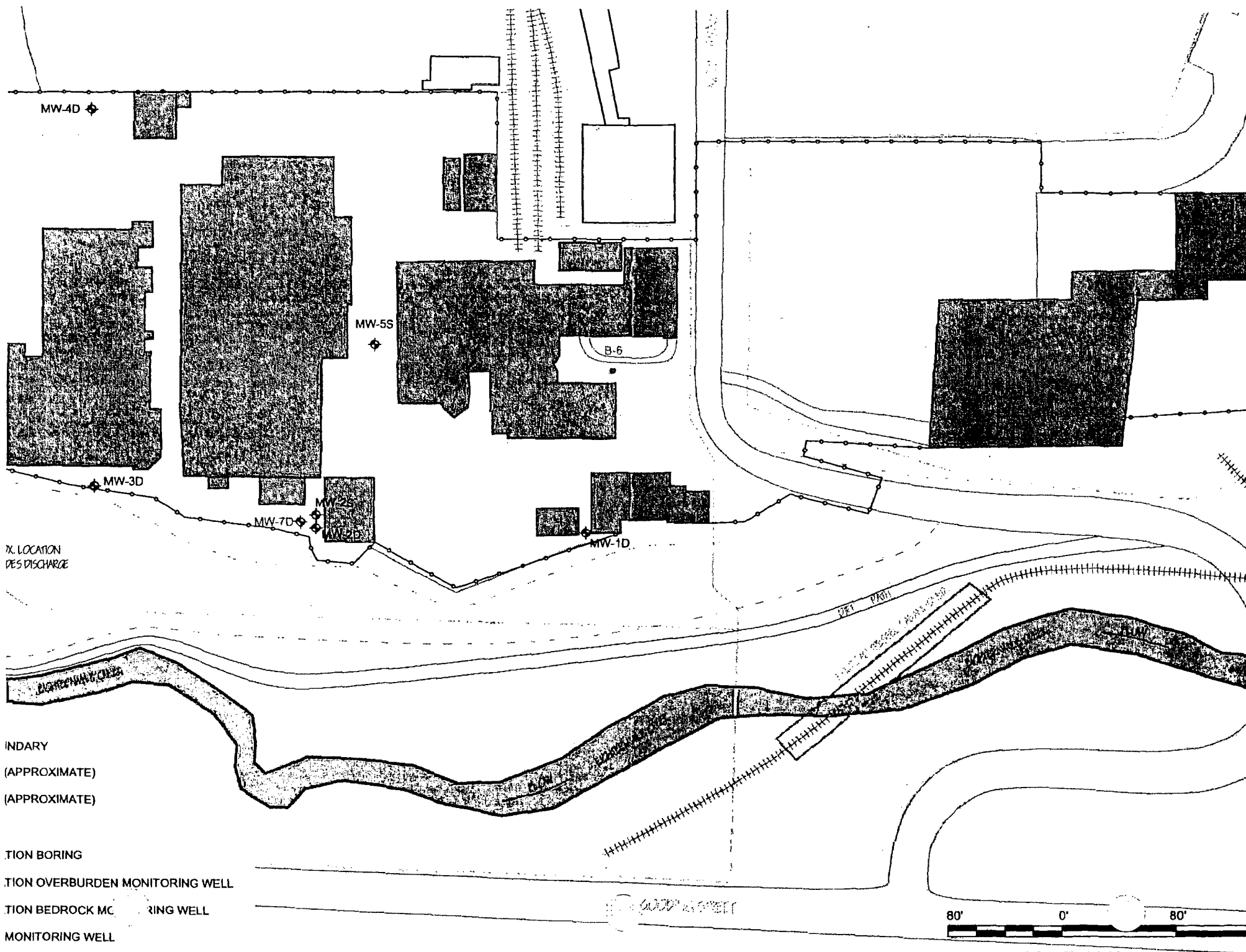
Client Name: Isochem, Inc.		Site Location: Monitoring well MW-2D	Project No.: 0049-007-100
Photo No. 3	Date 01/04/07		
Direction Photo Taken: NA			
Description: Typical early discharge of product recovery system.			

Photo No. 4	Date 03/14/07	
Direction Photo Taken: NA		
Description: Inside of product recovery shed showing general layout of controls and air compressor.		



PHOTOGRAPHIC LOG

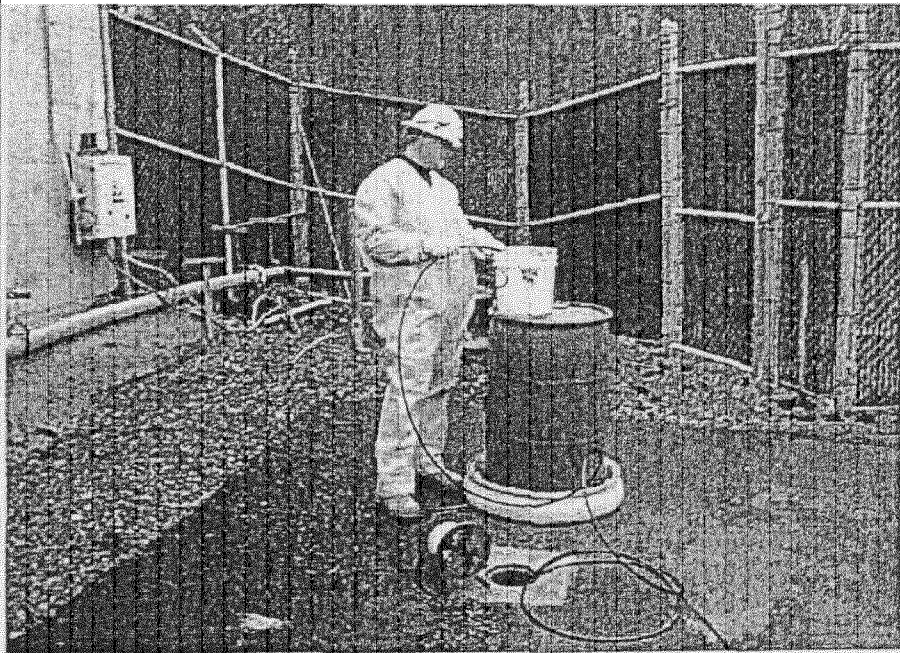
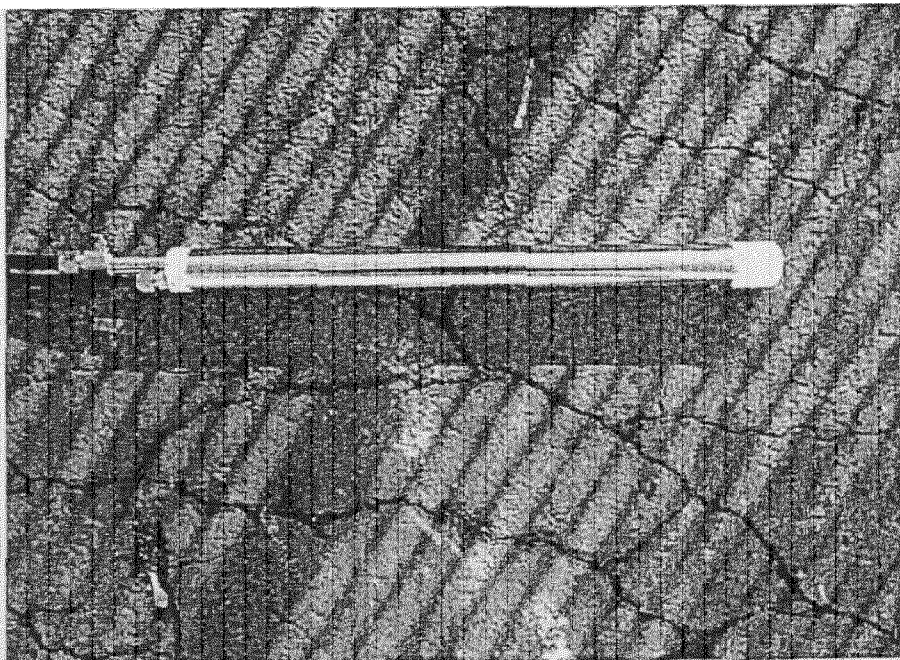
Client Name: Isochem, Inc.		Site Location: Monitoring well MW-2D	Project No.: 0049-007-100
Photo No. 1	Date 01/05/07		
Direction Photo Taken: Looking south toward south limit of Site			
Description: Typical surface setup of DNAPL recovery system. Two black tubes are shown; one air line and the other product recovery. Recovered product was stored in the blue drum.			

Photo No. 2	Date 01/04/07	
Direction Photo Taken: NA		
Description: 2-inch diameter QED pneumatic Pulse Pump (Model LP1301)		

PHOTOGRAPHIC LOG

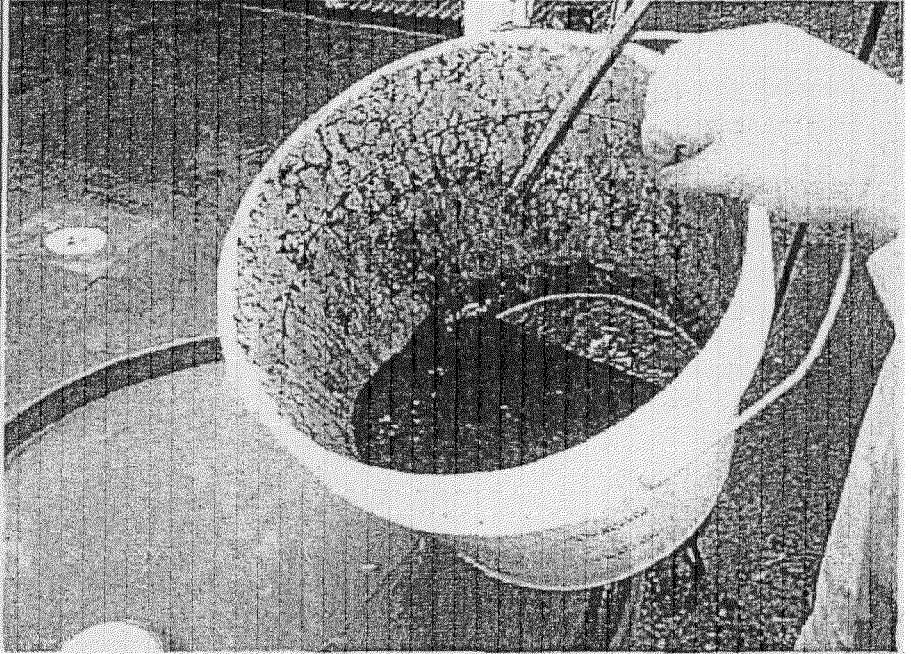
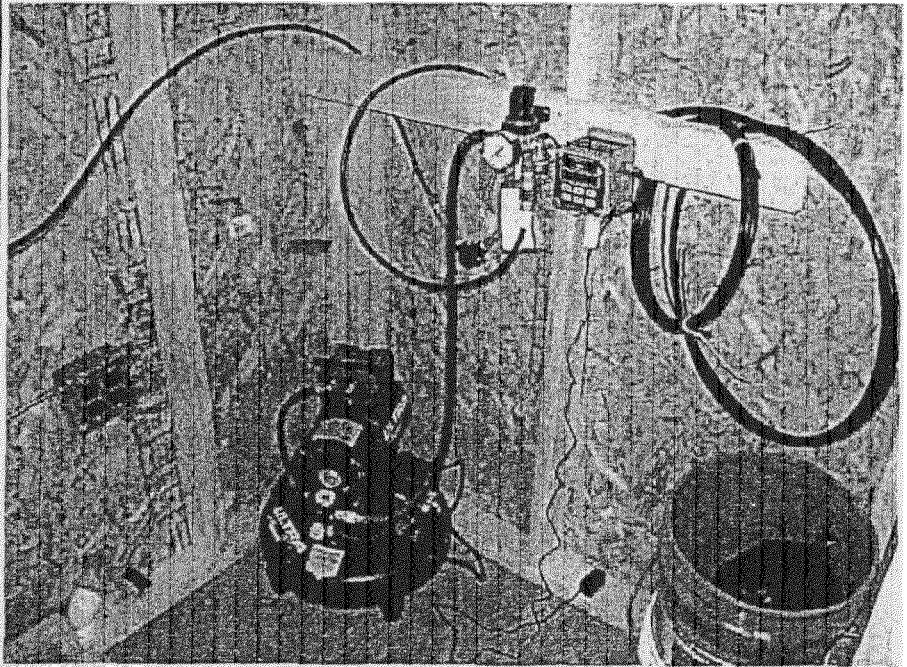
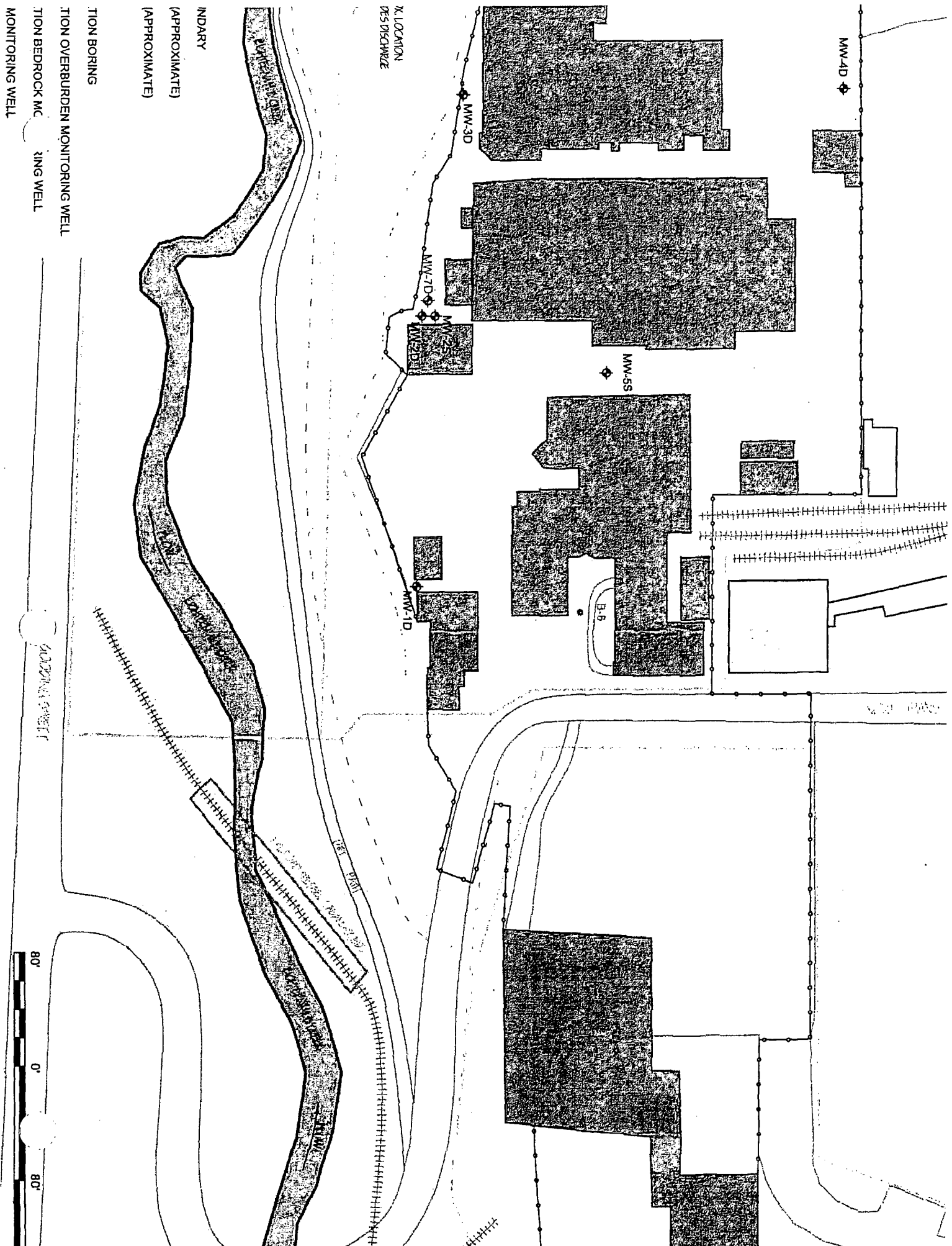
Client Name: Isochem, Inc.		Site Location: Monitoring well MW-2D	Project No.: 0049-007-100
Photo No. 3	Date 01/04/07		
Direction Photo Taken: NA			
Description: Typical early discharge of product recovery system.			

Photo No. 4	Date 03/14/07	
Direction Photo Taken: NA		
Description: Inside of product recovery shed showing general layout of controls and air compressor.		



ATTACHMENT 2

PHOTOGRAPHIC LOG SHEETS

PHOTOGRAPHIC LOG

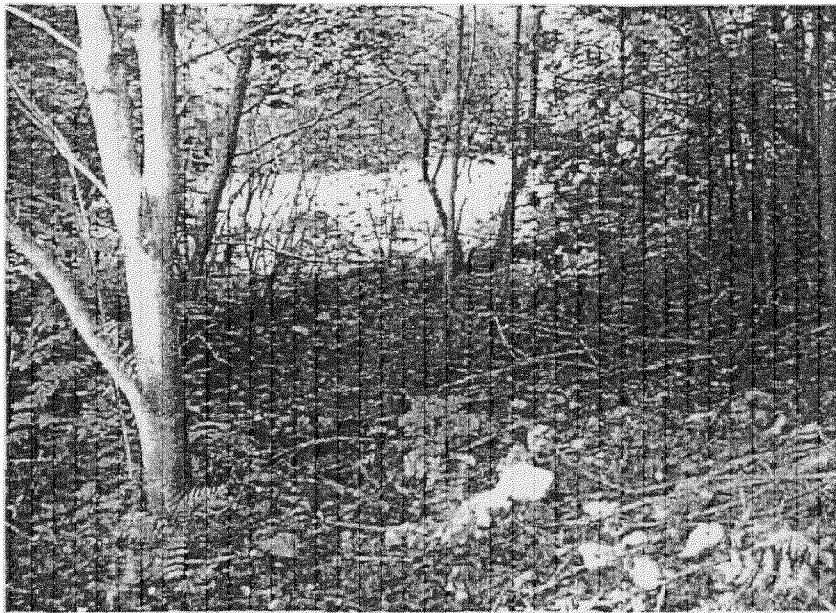

Client Name: VanDeMark, Inc		Site Location: 18 Mile Creek - Lockport, NY	Project No.: 0049-008-100
Photo No. 1	Date 08/13/07		
Direction Photo Taken: West			
Description: Pathway along creek leading to bank clean-up area. Prior to cleanup activities.			

Photo No. 2	Date 08/13/07	
Direction Photo Taken: West		
Description: Pathway along creek leading to bank clean-up area. Prior to cleanup activities.		

PHOTOGRAPHIC LOG



Client Name: VanDeMark, Inc		Site Location: 18 Mile Creek - Lockport, NY	Project No.: 0049-008-100
Photo No. 3	Date 08/13/07		
Direction Photo Taken: West			
Description: Pathway along creek leading to bank clean-up area. Prior to cleanup activities.			

Photo No. 4	Date 08/13/07	
Direction Photo Taken: West		
Description: Pathway along creek leading to bank clean-up area. Prior to cleanup activities.		

Prepared By: RLD

PHOTOGRAPHIC LOG

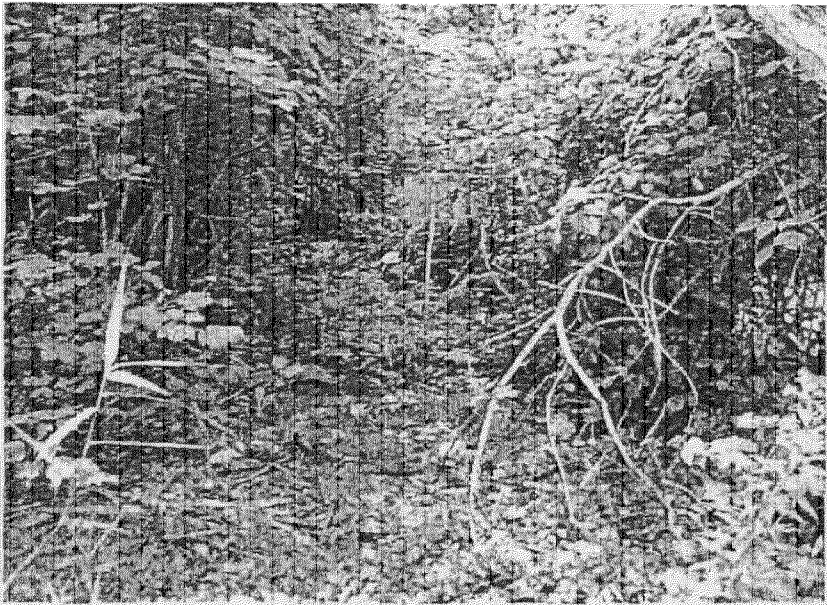
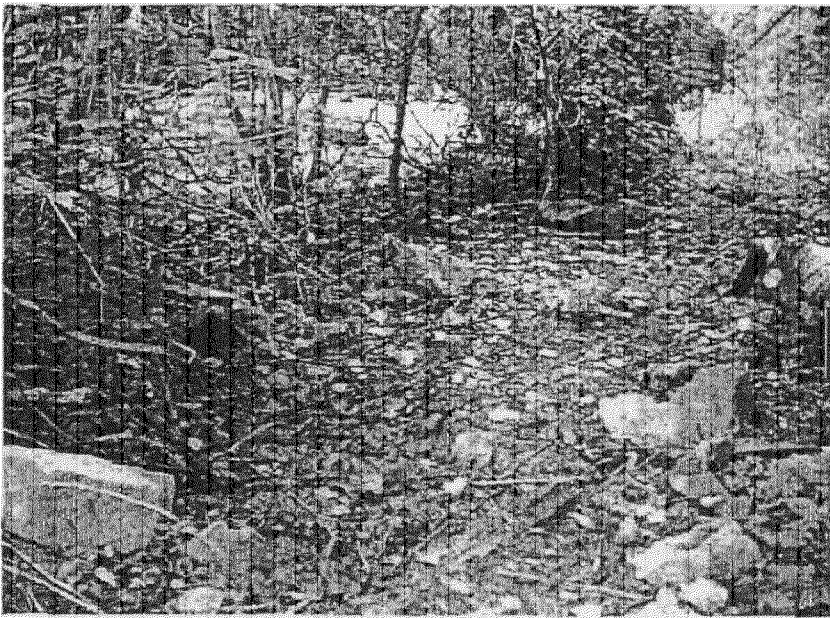
Client Name: VanDeMark, Inc		Site Location: 18 Mile Creek - Lockport, NY	Project No.: 0049-008-100
Photo No. 5	Date 08/13/07		
Direction Photo Taken: East			
Description: Pathway along creek bank prior to cleanup activities.			

Photo No. 6	Date 08/13/07	
Direction Photo Taken: West		
Description: Pathway along creek bank prior to cleanup activities.		

Prepared By: RLD

PHOTOGRAPHIC LOG


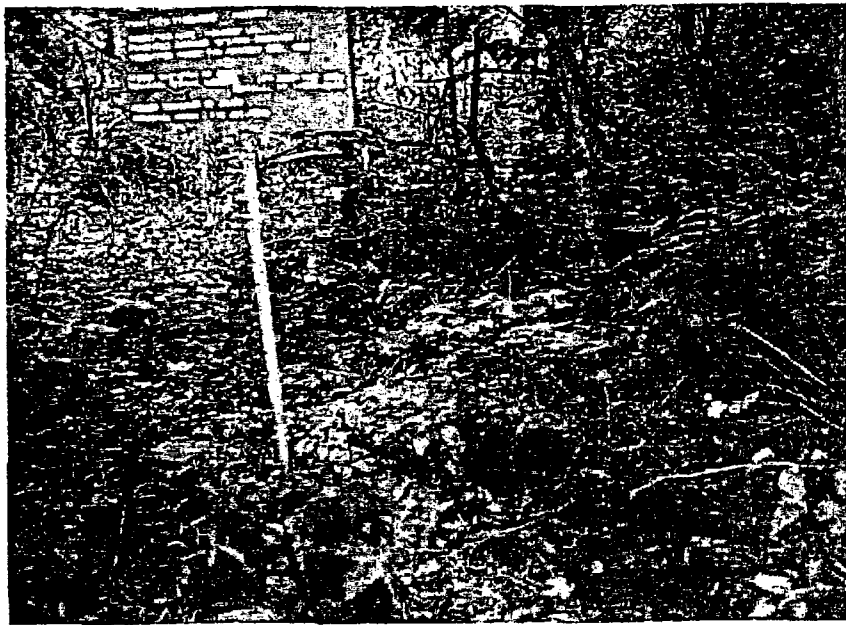
Client Name: VanDeMark, Inc		Site Location: 18 Mile Creek - Lockport, NY	Project No.: 0049-008-100
Photo No. 7	Date 08/13/07		
Direction Photo Taken: West			
Description: Clean-up area along creek bank looking north.			

Photo No. 8	Date 08/13/07	
Direction Photo Taken: East		
Description: Clean-up area along creek bank		

Prepared By: RLD

PHOTOGRAPHIC LOG



Client Name: VanDeMark, Inc		Site Location: 18 Mile Creek - Lockport, NY	Project No.: 0049-008-100
Photo No. 9	Date 08/13/07		
Direction Photo Taken: West			
Description: Clearing and grubbing vegetation for access pathway.			

Photo No. 10	Date 08/13/07	
Direction Photo Taken: West		
Description: Clearing and grubbing vegetation for access pathway.		

Prepared By: RLD

PHOTOGRAPHIC LOG



Client Name: VanDeMark, Inc		Site Location: 18 Mile Creek - Lockport, NY	Project No.: 0049-008-100
Photo No. 11	Date 08/13/07		
Direction Photo Taken: East			
Description: Constructing access pathway with clay soil.			

Photo No. 12	Date 08/13/07	
Direction Photo Taken: West		
Description: Constructing access pathway with clay soil.		

Prepared By: RLD

PHOTOGRAPHIC LOG

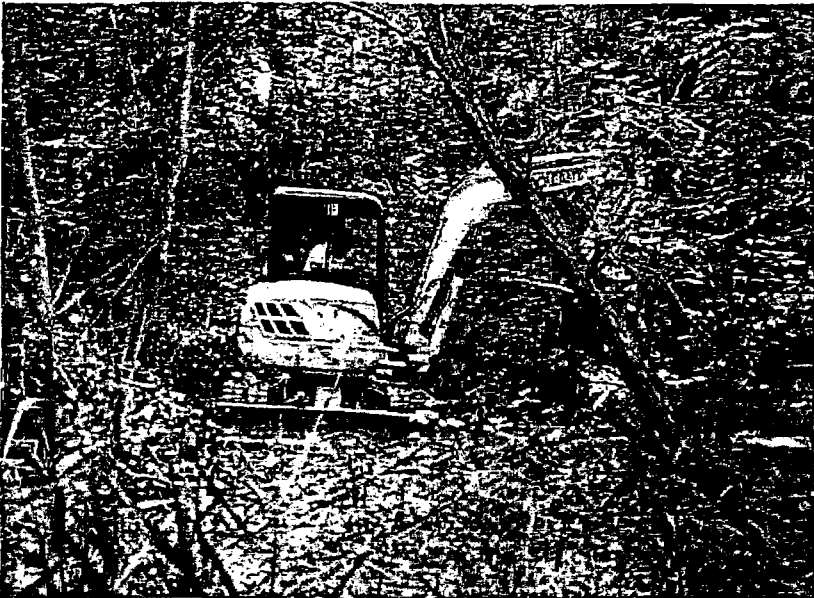

Client Name: VanDeMark, Inc		Site Location: 18 Mile Creek - Lockport, NY	Project No.: 0049-008-100
Photo No. 13	Date 08/14/07		
Direction Photo Taken: East			
Description: Begin excavation of tar residuals along creek bank.			

Photo No. 14	Date 08/14/07	
Direction Photo Taken: East		
Description: Begin excavation of tar residuals along creek bank.		

Prepared By: RLD

PHOTOGRAPHIC LOG

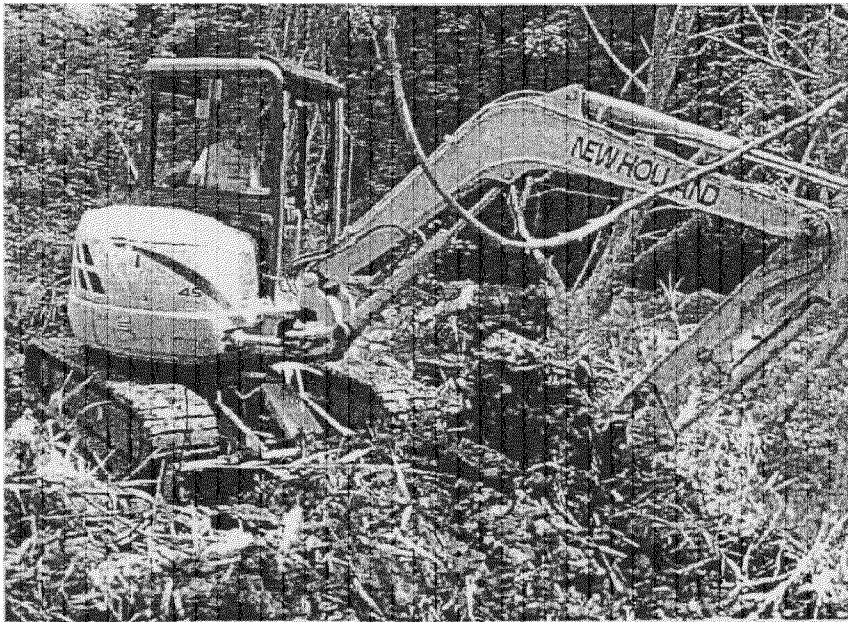

Client Name: VanDeMark, Inc		Site Location: 18 Mile Creek - Lockport, NY	Project No.: 0049-008-100
Photo No. 15	Date 08/14/07		
Direction Photo Taken: East			
Description: Excavation of tar residuals along creek bank at south end of clean-up area.			

Photo No. 16	Date 08/14/07	
Direction Photo Taken: East		
Description: Excavation of tar residuals along creek bank		

Prepared By: RLD

PHOTOGRAPHIC LOG



Client Name: VanDeMark, Inc		Site Location: 18 Mile Creek - Lockport, NY	Project No.: 0049-008-100
Photo No. 17	Date 08/14/07		
Direction Photo Taken: East			
Description: Excavation of tar residuals along bank area.			

Photo No. 18	Date 08/14/07	
Direction Photo Taken: East		
Description: Excavation of tar residuals at north end of bank clean-up area		

Prepared By: RLD

PHOTOGRAPHIC LOG



Client Name: VanDeMark, Inc		Site Location: 18 Mile Creek - Lockport, NY	Project No.: 0049-008-100
Photo No. 19	Date 08/21/07		
Direction Photo Taken: West			
Description: Grading soils in bank clean-up area.			

Photo No. 20	Date 08/21/07	
Direction Photo Taken: East		
Description: Grading soils in bank clean-up area.		

Prepared By: RLD

PHOTOGRAPHIC LOG



Client Name: VanDeMark, Inc		Site Location: 18 Mile Creek - Lockport, NY	Project No.: 0049-008-100
Photo No. 21	Date 08/21/07		
Direction Photo Taken: West			
Description: Graded soils in bank clean-up area. Looking north.			

Photo No. 22	Date 08/21/07	
Direction Photo Taken: East		
Description: Graded soils in bank clean-up area. Looking south.		

Prepared By: RLD

PHOTOGRAPHIC LOG



Client Name: VanDeMark, Inc		Site Location: 18 Mile Creek - Lockport, NY	Project No.: 0049-008-100
Photo No. 23	Date 08/23/07		
Direction Photo Taken: West			
Description: Placing rip rap stone along creek bank.			

Photo No. 24	Date 08/27/07	
Direction Photo Taken: West		
Description: Placing rip rap stone along creek bank.		

Prepared By: RLD

PHOTOGRAPHIC LOG


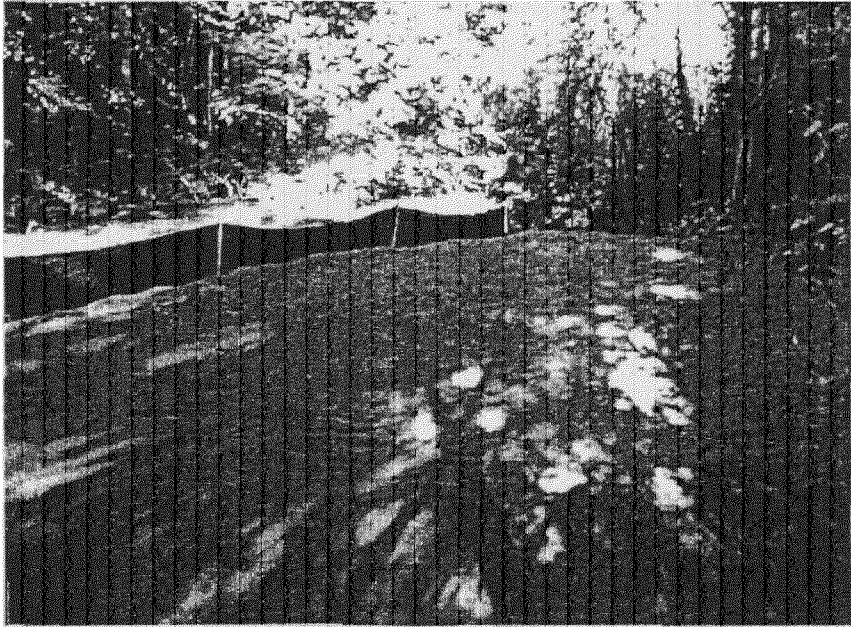
Client Name: VanDeMark, Inc		Site Location: 18 Mile Creek - Lockport, NY	Project No.: 0049-008-100
Photo No. 25	Date 08/27/07		
Direction Photo Taken: West			
Description: Topsoil and seeding in clean-up area.			

Photo No. 26	Date 08/27/07	
Direction Photo Taken: West		
Description: Topsoil and seeding in clean-up area.		

Prepared By: RLD

ATTACHMENT 3

TAR RESIDUALS DISPOSAL SUMMARY & SCALE RECEIPTS



WASTE TECHNOLOGY SERVICES INC.

TO: Pat Martin
Benchmark Environmental

From: Anne DeMunda
Waste Technology Services, Inc.

Re: Weight Tickets

Date: September 11, 2007

Pat,

Please see attached weight tickets per your request. If there is anything else I can do for you please do not hesitate to contact me.

<u>Ticket #</u>	<u>Date</u>	<u>Tonnage</u>
335905	8/16/07	15.58 tons
338019	8/29/07	20.99 tons
339453	09/06/07	14.54 tons
339383	09/06/07	7.37 tons

Corporate Office: 435 North 2nd Street, Lewiston, NY 14092

Telephone: 716-754-5400 Fax: 716-754-5401

5 Forest Park Drive • Farmington, CT 06032 • Telephone (860) 677-1146 • Fax (860) 677-4979
2025 E. Main Street, Suite 101 • Richmond, VA 23223 • Telephone (804) 649-0700 • Fax (804) 649-2360
7 Willowdale Court • Amesbury, MA 01913 • Telephone (978) 388-7877 • Fax (978) 388-8688
www.wilsonline.com

VDM00136

Niagara Falls Facility
100 Energy Blvd. P 5615 Street
Niagara Falls, NY 14304
Phone (716) 278-8559 Fax (716) 278-3502

Truck: 7700
Customer: 767811015
Carrier: 367167 MGT

Weight: 5
Tare: 25000 lb

Net: 21100 lb

Approval #: 7597

Truck: 335985
Date: 8/16/2007
Time: 15:09:73

Scale
Gross: 67100 lb In Scale
Tare: 25000 lb Out Scale
Net: 21100 lb

Approved: 8/16/2007

PO#? 25959

Comments

Origin

Materials & Services

Quantity Unit

MA/Net Applicable

100% of FPA 100% Total 100% 15.56 tons

SP0-TON

Driver:

Michael P. ...

Deputy: Neighmister

[Signature]
KS 2/16/07

Niagara Falls Facility
100 Energy Blvd. @ 56th Street
Niagara Falls, NY 14304
Phone (716) 278-8559 Fax (716) 278-8560

Ticket: 330019
Date: 8/29/2007
Time: 10:47:02 - 11:14:06

Trucks: 9402
Customer: 702011/WTB - ISOCHEN
Carrier: J6/HAZ-MAT

Trailers: 99
Truck Type: Tractor

Scale
Gross: 78500 lb in Scale 1
Tare: 36500 lb Out Scale 2
Net: 41900 lb

Approval #: 7397

PO: P5959

Manifest: 00150791

Comment:

Origin	Materials & Services	Quantity Unit
1145/Lockport, NY	100% of IND-TON Industrial-Is	26.99 ton
	SPO-TON	

Driver:

Michael P. Pincus

Deputy Weighmaster:

[Signature]
08 P90223

Niagara Falls Facility
188 Energy Blvd. & 56th Street
Niagara Falls, NY 14304
Phone (716) 278-8559 Fax (716) 278-8560

Ticket: 33943

Date: 9/6/2007

Time: 13:36:30 - 14:23:54

Scale

Gross: 64540 lb in Scale 1

Tare: 35460 lb out Scale 2

Net: 29080 lb

Truck: 9402
Customer: 782011/WTS - ISOCHEN
Carrier: 36/HAZ-MAT

Trailer: 99

Truck Type: Tractor

Approval #: 7397

PO: 25959

Manifest: 0 30607

Comment:

Origin	Materials & Services	Quantity Unit
--------	----------------------	---------------

1145/Lockport, NY	100% of SPO-TON/Special Waste	14.54 ton
-------------------	-------------------------------	-----------

Driver:

Deputy Weighmaster:

David Drabczyk

Niagara Falls Facility
188 Energy Blvd. & 56th Street
Niagara Falls, NY 14304
Phone (716) 278-8559 Fax (716) 278-8560

Ticket: 339313

Date: 9/6/2007

Time: 09:24:24 - 10:33:05

Scale

Gross: 50580 lb in Scale 1

Tare: 35840 lb out Scale 2

Net: 14740 lb

Truck: 9408
Customer: 782011/WTS - ISOCHEN
Carrier: 36/HAZ-MAT

Trailer: 99

Truck Type: Tractor

Approval #: 7397

PO: 25959

Manifest: 0 30607

Comment:

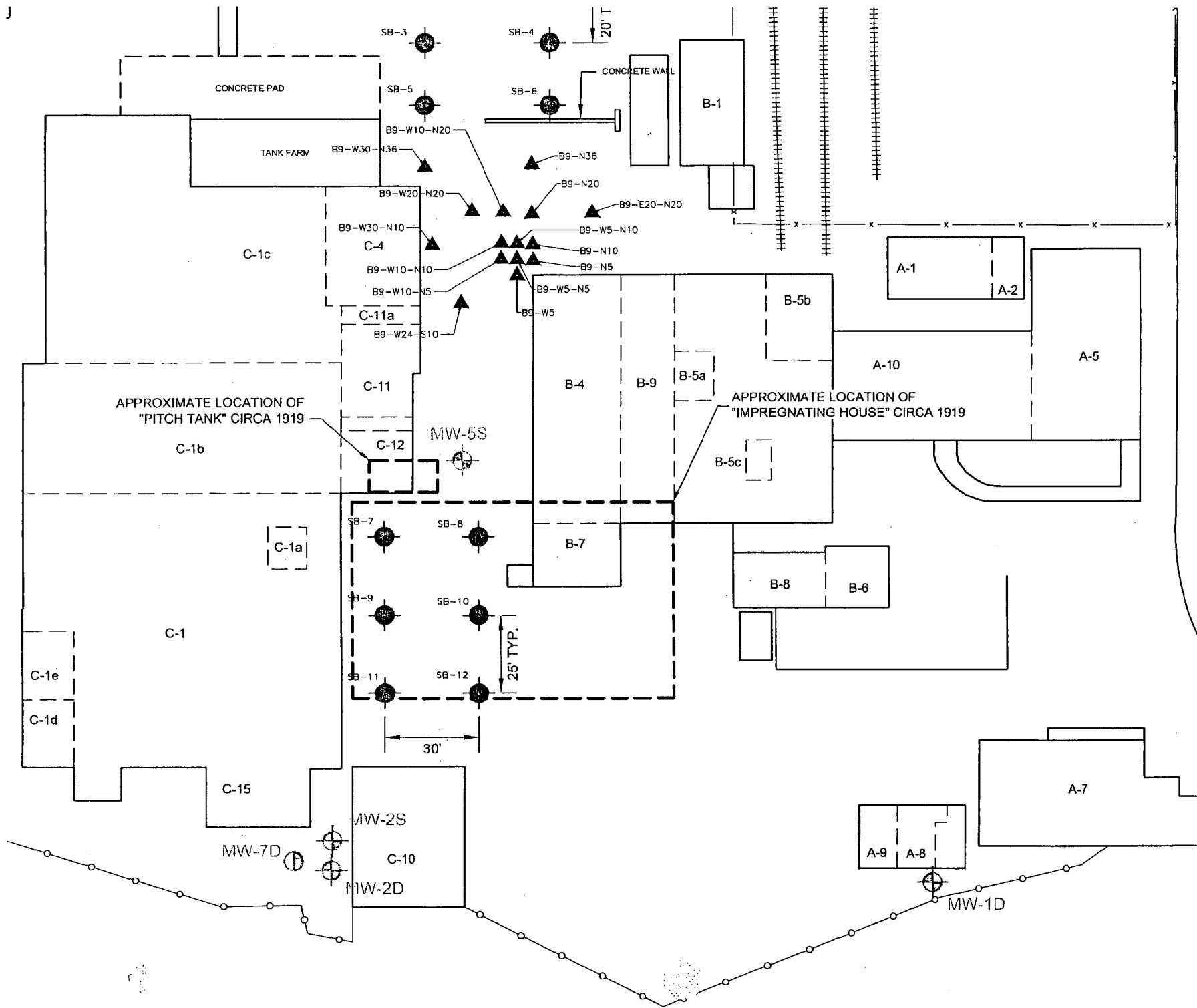
Origin	Materials & Services	Quantity Unit
--------	----------------------	---------------

1145/Lockport, NY	100% of SPO-TON/Special Waste	7.37 ton
-------------------	-------------------------------	----------

Driver:

Deputy Weighmaster:

HB 290223

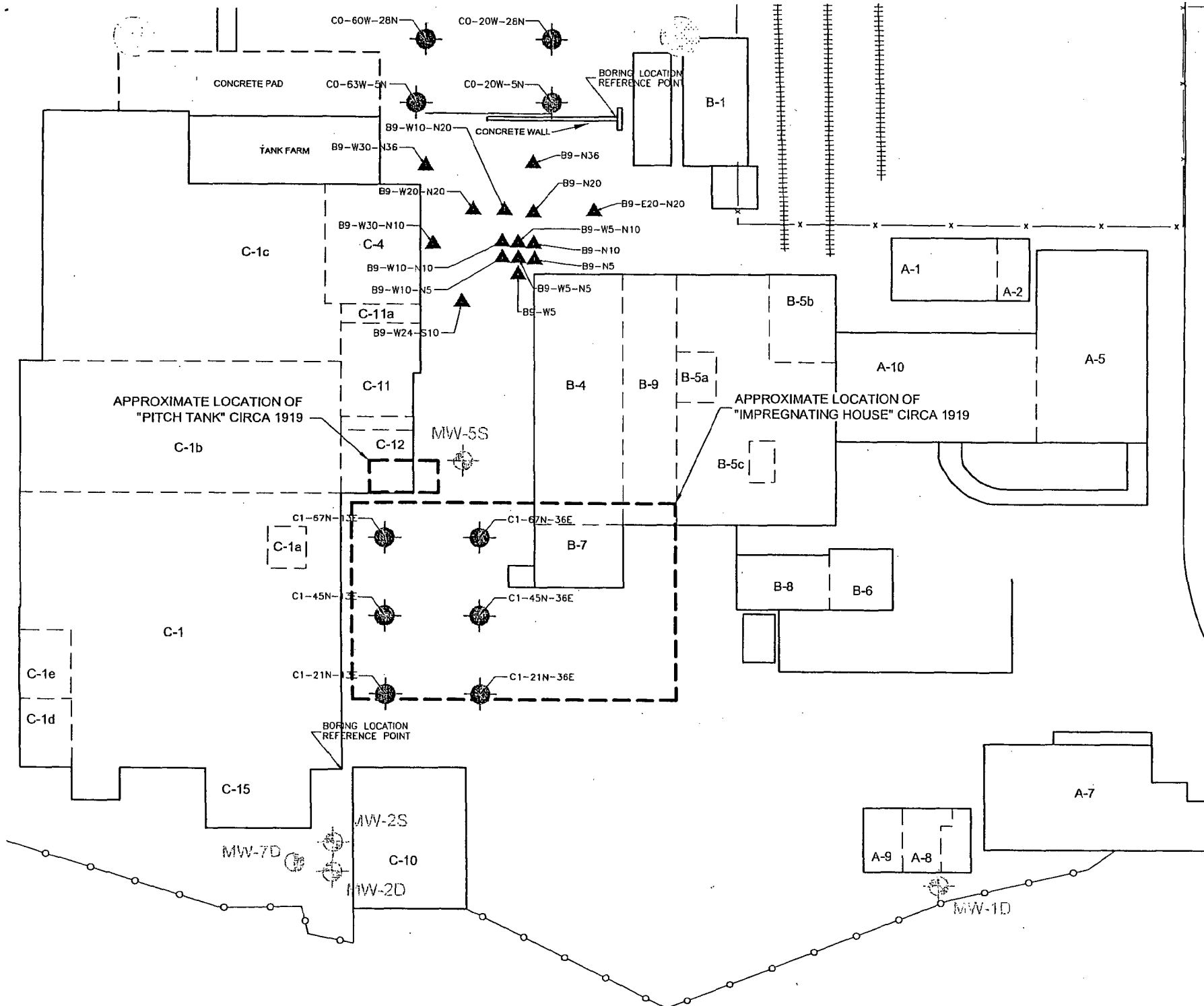


REFERENCE

- 1.) TOPOGRAPHY
xve-vandemark b
- 2.) TEST PITS SH
xve-vandemark b
- 3.) MAP DIGITIZED
PLAN," PREPARED
SCIENCE, PLLC.

40
SCALE

REV	DATE	DES
PROJECT		
010 SUPPLEME		
TITLE		



REFERENCE

- 1.) TOPOGRAPHY
xve-vandemark b
- 2.) TEST PITS SH
xve-vandemark b
- 3.) MAP DIGITIZED
PLAN," PREPARED
SCIENCE, PLLC.

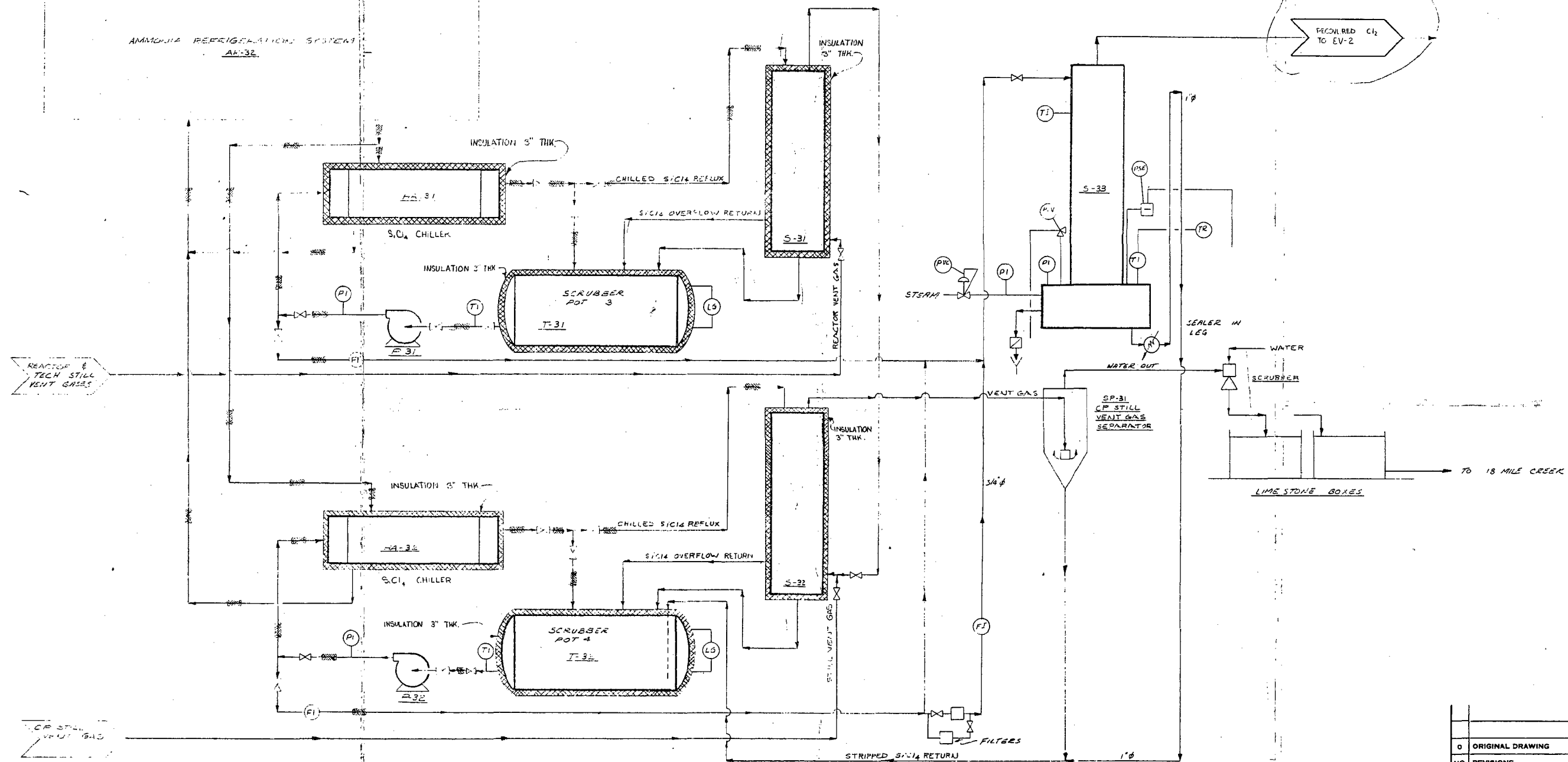
40
SCALE

REV	DATE	DES
PROJECT		
2010 SUPPLEME		
TITLE		

CHLORINE
ABSORBERS
18" 10' X 20' PACKED BED
1" CERAMIC SUPER
IN TALOX SADDLES

CHLORINE
STRIPPER
12" 10' X 12" BED
1" CERAMIC
IN TALOX SADDLES

AMMONIA REFRIGERATION SYSTEM
AN-32



APR 17 1984

0	ORIGINAL DRAWING			
NO. REVISIONS		BY	CHKD.	APPD.
		DATE	DATE	DATE
MESCH AND ASSOCIATES CONSULTING ENGINEERS P.O. BOX 451 LOCKPORT, N. Y. 14094				
VAN DE MARK CHEMICAL CORP 4 TRANSIT ROAD LOCKPORT, N. Y. 14094				
FLOWSHEET SCl ₄ PRODUCTION UPGRADE, Cl ₂ RECOVERY				NO. 12 DWG. SCALE
DRAWN BY: L. WARD		12		
CHECKED BY:				
CLIENT APPROVAL:				
PROJECT REP. NO. 6383	DRAWING NO. 6383-4	ISSUE 01		

MESCH ENGINEERING, P.C.
CONSULTING ENGINEERS
P.O. BOX 451, LOCKPORT, N. Y. 14094

E.S. FALSETTI, P.E.
J.F. PANZA, P.E.
W.E. SCHMID, P.E.

PROJECT JOB NO. 6383-0
REFERENCE ACCT. NO. 6383-0
TEMP. DRAWING NO.

VANDEMARK CHEMICAL INC.

Environmental Report Index

Document	Date	Report
1.	9/17/99	Dames & Moore Phase I and II Environmental Audit
2.	11/30/06	Benchmark Environmental Engineering & Science Findings of Supplemental Investigation Activities Report
3.	12/15/06	ERM Phase I Environmental Site Assessment & Limited Compliance Review
4.	12/22/06	Benchmark Environmental Engineering & Science Supplemental Field Investigation & Sampling Report
5.	02/26/07	Benchmark Environmental Engineering & Science Summary of Site Reconnaissance Report
6.	03/23/07	Benchmark Environmental Engineering & Science DNAPL Assessment Report
7.	09/12/07	Benchmark Environmental Engineering & Science Creek Bank Clean-Up Closeout Report
8.	12/14/07	Benchmark Environmental Engineering & Science Site Monitoring Program & Creek Bank Annual Assessment of VDM
9.	05/20/09	Benchmark Environmental Engineering & Science Supplement to December 2008 Creek Bank Clean-Up Report - Summary of Work Performed
10.	12/21/09	Golder Associates SNPE - VDM DNAPL Assessment Report & Supplemental Work Plan
11.	02/15/11	ERM Review of Remedial Activities for VDM
12.	10/11	Phase I Environmental Site Assessment and Limited Compliance Review (ENVIRON)
13.	10/31/12	GaiaTech Limited Phase II Soil and Groundwater Investigation

Doc # 01-2618089.2

ENVIRON

October 7, 2011

Douglas C. Mosteller
Mosteller Consulting, LLC
7931 S. Broadway #113
Littleton, CO 80122

**Re: Phase II Investigation and Findings
VanDeMark Chemical, Inc.
Lockport, New York**

Dear Doug:

ENVIRON International Corporation (ENVIRON) was retained by Platte River Ventures II, LP (PRV) to conduct a Phase II environmental investigation of the VanDeMark Chemical, Inc. (VDM or the "Company") facility at One North Transit Road in Lockport, New York (the "site" or the "facility"). Prior investigations at the site in 1999 and from 2006 through 2011 have identified coal tar contamination in the subsurface of the developed area of the site and in seeps located in undeveloped areas near Eighteen Mile Creek¹, and soil and groundwater contamination in the developed area of the site. A summary of these prior investigations and the findings from these investigations can be found in ENVIRON's September 2011 Phase I Environmental Site Assessment report.

ENVIRON's Phase II investigation was intended to:

1. evaluate the potential contribution of contaminants, including chlorinated VOCs and coal tar constituents, from upgradient sources, particularly those that may have been located on property previously owned by VDM or its predecessors;
2. evaluate the potential presence of a separate coal tar source to the west of N. Transit Street based on prior soil sampling results and indications on Sanborn Fire Insurance maps of a second pitch tank in the vicinity of boring B-6;
3. assess whether a competent rock/confining layer (the Whirlpool Sandstone) is present beneath the Power Glen Shale as suspected by the NYSDEC;
4. evaluate the potential presence of DNAPL sources (coal tar or chlorinated ethenes) along the top of the Whirlpool Sandstone;
5. evaluate the extent of chloroform soil contamination in the vicinity of boring B-6; and
6. evaluate the extent of lead soil contamination at potentially RCRA-hazardous waste levels in the vicinity of well MW-5S.

The following provides an overview of ENVIRON's Phase II investigation activities, a discussion of soil and groundwater results, and a summary of ENVIRON's findings based on the results.

¹ The USEPA refers to this creek as "Eighteenmile Creek." Other sources identify it as "Eighteen Mile Creek" and that nomenclature is used herein.

This summary of ENVIRON's Phase II investigation and findings has been prepared exclusively for use by PRV and its advisors, and such other persons or entities whose reliance is explicitly authorized in writing by ENVIRON. The conclusions presented in this report represent ENVIRON's best professional judgment based upon the information available and conditions existing as of the date of the summary. This summary of ENVIRON's Phase II investigation is not intended as legal advice, nor is it an exhaustive review of site conditions. ENVIRON makes no representations or warranties, express or implied, about the conditions of the site.

Background

The fate and transport of separate phase coal tar that has been identified at the site, a potential separate phase chlorinated solvent, which could be present in the subsurface of the site, and of dissolved phase contamination that has been identified are strongly influenced by the geology of the site. For example, coal tar is a dense non-aqueous phase liquid that will generally migrate vertically until encountering a confining unit and then will travel horizontally along the top of the confining unit.

The VDM site is underlain by 6 to 20 feet of overburden material, below which lies the Grimsby Sandstone, which has been described as "a dark red brown to grey, moderately strong, fine-grained, thinly bedded, slightly to moderately weathered intensely fractured sandstone." The Power Glen Shale, which has been described as a "dark gray with light to medium gray banded, horizontally bedded, very hard, shale," underlies the approximately 20 to 30 feet thick Grimsby Sandstone. Beneath the Power Glen Shale lies the Whirlpool Sandstone. The Grimsby Sandstone, the Power Glen Shale and the Whirlpool Sandstone are each part of the Lower Silurian age Medina Group.

Prior to ENVIRON's Phase II investigation, the deepest wells at the site intersected the Power Glen Shale and coal tar in the vicinity of well MW-2D has been found in this formation. The NYSDEC has speculated that coal tar could migrate vertically through the Power Glen Shale and that the Whirlpool Sandstone could act as a confining unit rather than the Power Glen Shale. Similarly, a separate phase chlorinated solvent source could migrate vertically through the soil profile until encountering a confining unit. As part of ENVIRON's Phase II investigation and discussed further below, a deep well that penetrates through the Power Glen Shale to the top of the Whirlpool Sandstone was installed to evaluate whether coal tar has migrated vertically further than previously discovered.

Phase II Field Activities

Site investigation activities conducted by ENVIRON from August 29 to September 2 included (1) the installation of four permanent bedrock monitoring wells, (2) well development and the collection of groundwater samples from the newly-installed monitoring wells and from three previously-existing wells, and (3) the collection of soil samples from borings advanced in the vicinity of MW5S to further evaluate lead concentrations, and in the former B6 boring area to assess whether a separate coal tar source is present to the west of North Transit Street, and to evaluate the potential presence of chloroform in this area.

Permanent monitoring well installation activities were completed using a rotary drilling (*i.e.*, GEFCO Strata Star 55) rig using mud-rotary drilling methods. New monitoring well installations included a replacement well in the vicinity of the former upgradient MW-4D (MW-4DR), an additional upgradient well to the east of MW-4DR (MW-8D), a monitoring well located in the vicinity of former boring location B-6 (MW9D), and a deep bedrock well in a downgradient location in the vicinity of MW-7D and MW-2D (MW-10D). MW-4DR, MW-8D, and MW-9D were each installed to the interface of the Grimsby Sandstone and Power Glen Shale (approximately 35 to 55 feet bgs), while MW-10D was installed to the interface of the Power Glen Shale and the

underlying Whirlpool Sandstone, approximately 70 feet bgs. Following the overburden drilling at each location, a stainless steel casing was cemented from the surface to the bedrock interface and allowed to cure for at least 24 hours prior to bedrock drilling activities to ensure a pathway for potential near-surface contamination was not created. The exception to this method was at monitoring well MW10D, where stainless steel casing was installed to the depth of MW2D (approximately 50-feet bgs), and evidence of coal tar had been observed in the past. Each well was constructed with ten feet of 2-inch inside diameter (i.d.), Schedule 40 polyvinyl chloride (PVC) well screen with 0.010-inch machined slots and the remainder consisting of blank riser pipe. A type #1 sand filter pack was installed around the screen to approximately two feet above the top of the screen. One foot of #00 sand were installed around the blank riser pipe above the #1-type sand filter pack. The remaining annular space was filled with a cement/bentonite grout. Protective flush-mounted monuments were installed at the ground surface of each well location. Boring logs for each well location are provided as Attachment A.

Soil boring activities were completed using a track-mounted direct push (*i.e.*, Geoprobe) drilling unit, and borings were completed to bedrock refusal, which occurred at approximately 6 to 8 feet below ground surface (bgs) in both areas. Upon completion of the soil sampling activities, soil borings were backfilled with bentonite and/or soil cuttings and patched with asphalt or concrete as appropriate.

Both rotary drilling and Geoprobe drilling services were provided by Nothnagle Drilling, Inc. (Nothnagle), of Scottsville, New York, a New York certified well driller. All drilling mud was containerized in 55-gallon drums for off-site disposal. All monitoring wells (existing and new) were developed by pumping until the water was visibly free of sediment. All development and decontamination water was disposed directly to the site's treatment system via trench drains.

ENVIRON initially planned to collect groundwater samples from five previously existing on-site monitoring wells (MW-1D, MW-2S, MW-3D, MW-5S, and either MW-7D or MW-2D). During the Phase II investigation, ENVIRON determined that the MW-1D well was damaged and field personnel were unable to insert a bladder pump down the well to collect a sample. Additionally, the flush mount monument for MW-2S had been removed and was lying on the ground near the monitoring well location and the monitoring well itself could not be located, so no sample was collected from this well. Monitoring well MW-3D had been paved over with asphalt but, during ENVIRON's Phase II activities, facility personnel were able to locate and uncover the well so that a sample could be collected. Because monitoring wells MW-2D and MW-7D are screened in the same interval and are located less than 10 feet apart², ENVIRON had decided to collect only one sample from one of the two wells. During the field activities, ENVIRON determined that monitoring well MW-2D contained significant residual coal tar from prior coal tar recovery activities from this well such that a sample from this well was unlikely to yield results indicative of the subsurface in the vicinity of the well (*i.e.*, the sample was likely to be contaminated by residual material coated to the walls and base of the well). Consequently, ENVIRON collected a sample from well MW-7D to characterize groundwater conditions at the interface of the Grimsby Sandstone and Power Glen Shale in this area of the site.

Laboratory analytical services were provided by TestAmerica Laboratories of Buffalo, New York. All samples collected during the site investigation were placed directly into laboratory-provided glassware and stored on ice in a cooler under appropriate chain-of-custody protocol. Groundwater samples were analyzed for volatile organic compounds (VOCs) by USEPA Method 8260, for semivolatile organic compounds (SVOCs) by USEPA Method 8270, and for lead by USEPA Method 6010B. Soil samples from the MW-5S area were sampled for lead by

² According to a November 30, 2006 letter from Benchmark Environmental to the NYSDEC, monitoring well MW-7D was installed seven feet west of well MW-2D.

USEPA Method 6010B and soil samples from the B-6 area were analyzed for VOCs by USEPA Method 8260. Laboratory data sheets are provided as Attachment B.

Soil Sampling Results

MW-5S Area

In the 1999 Phase II investigation, the soil sample collected from the boring that became well MW-5S contained 19,200 mg/kg of lead. If excavated for off-site disposal, soil with such concentrations could be identified as a hazardous waste based on testing. Consequently, ENVIRON attempted to better evaluate the area of significant lead impacts in the vicinity of MW-5S during the Phase II investigation.

A total of six soil borings were advanced to refusal in the vicinity of MW-5S (SB01 to SB06), the locations of which are shown in Figure 2A. Bedrock refusal in this area was encountered from 6 to 8 feet bgs, and overlying soils consisted mainly of black silty sands and gravels with red-brick pieces, cinders, and woody material throughout. Soil samples were collected from three intervals at each boring location and analyzed for lead. Analytical results for the MW-5S area samples are summarized on Table 1.

As required by Commissioner Policy (CP)-51/Soil Cleanup Guidance ("CP-51") for sites in the RCRA Corrective Action Program, the analytical results are compared to unrestricted soil cleanup objectives (SCOs); however, CP-51 also allows the use of alternative remediation standards if achieving unrestricted SCOs is "not feasible" at the RCRA Corrective Action site. Consequently, ENVIRON also compared the lead analytical results to the Industrial SCOs. Of the 18 soil samples that were analyzed for lead from the MW-5S area, only two samples contained lead concentrations that do not exceed the unrestricted SCO for lead of 63 mg/kg. One sample, from the 2.0 to 3.0 feet bgs interval in boring SB-02, contained a lead concentration that exceeds the Industrial SCO for lead of 3,900 mg/kg. SB-02 is located adjacent to MW-5S, where the other elevated lead concentration was identified. Based on the analytical results for other samples from the SB-02 boring and other nearby borings, the area of elevated lead concentrations above the Industrial SCO appears to be less than 900 square feet.

Former B-6 Boring Location

A total of seven soil borings (SB07 to SB13) were advanced to refusal in the vicinity of boring B-6 from the 1999 investigation. The locations of these borings are shown in Figure 2B. Bedrock refusal in this area was encountered from 6 to 8 feet bgs, and overlying soils consisted mainly of black to brown silts and sands with lesser amounts of cinders throughout. One soil sample from the interval containing the greatest field screened reading using a photoionization detector (PID) was collected from each boring. Analytical results for the B-6 area borings are summarized on Table 1.

As with the MW-5S area, sample results were compared to CP-51 Unrestricted SCOs and Industrial SCOs. None of the samples contained VOC concentrations that exceed the Industrial SCOs. The chloroform concentration (76 mg/kg) in the sample from boring SB11 exceeds the Unrestricted SCO (0.37 mg/kg) and the Protection of Groundwater SCO (0.37 mg/kg). The methylene chloride concentration (0.076 mg/kg) in the sample from SB-13 exceeds the Unrestricted SCO (0.05 mg/kg) and the Protection of Groundwater SCO (0.05 mg/kg). No other VOC concentration from the B-6 area samples exceeds an SCO. Based on the soil analytical results, widespread VOC contamination in the vicinity of B-6 does not appear to be present.

ENVIRON also observed cores collected from the borings in this area for evidence of coal tar based on the apparent former presence of a pitch tank in this area and the prior polycyclic aromatic hydrocarbon results from the B-6 soil sample. No evidence of coal tar was observed in

any of the borings. Consequently, soil samples from the B-6 area were not analyzed for SVOCs.

Ground Water Sampling Results

Groundwater samples were collected from the four new-installed wells and three of the previously-existing monitoring wells via low flow (*i.e.*, micropurge) methods using dedicated tubing and bladder pumps. Each well was purged for at least 20 minutes to allow ground water parameters to stabilize prior to sample collection. Laboratory analytical results for the groundwater samples are summarized on Table 2 and compared to the Ground Water Quality Standards contained in New York State Part 703 (the "GWQS").

With the exception of the groundwater sample from monitoring well MW-5S, each sample contained multiple VOCs at concentrations exceeding the GWQS, including chlorinated aliphatics (e.g., PCE, TCE, vinyl chloride), chlorinated aromatics (chlorobenzene, dichlorobenzene), and hydrocarbons (e.g., toluene, xylenes). No VOCs were detected in the sample from MW-5S, which is the only well screened in the overburden material at the site from which a sample could be collected. Both upgradient wells that are screened across the interface between the Grimsby Sandstone and the Power Glen Shale (MW-4DR and MW-8D) contained chlorinated VOCs at concentrations exceeding the GWQS. Concentrations are greater in the sample from the western upgradient well (MW-4DR) than in the eastern upgradient well (MW-8D). The MW-8D sample contained only chloroform and 1,1-dichloroethane at concentrations exceeding the GWQS and the concentration of these compounds were only approximately two times the standard.

The greatest concentrations of chlorinated VOCs were identified in wells MW-9D, which is located outside the laboratory building and east of the phosgene production area; MW-4DR, which is located on the western upgradient property boundary; and MW-3D, which is located on the western downgradient boundary of the developed area of the site. Concentrations of several chlorinated VOCs in these wells exceed 100 µg/L. In the sample collected from the only well to extend to the top of the Whirlpool Sandstone, MW-10D, chloroform is the only VOC identified to exceed the GWQS. According to facility personnel, significant quantities of chlorobenzene, toluene, and xylenes, each of which are found in groundwater samples collected from the site, are still used. Chloroform is also still used at the site, but in lesser quantities. According to facility personnel, other chlorinated aliphatics, like tetrachloroethylene (PCE) and trichloroethylene (TCE), are no longer used.

Certain SVOCs were detected in the groundwater samples collected from the site; however, the maximum concentration of any SVOC in any sample is 32 µg/L of acenaphthene in the sample from upgradient well MW-4DR. New York State has promulgated GWQS for only a few SVOCs; however, based on the identified concentrations, none of the SVOC sample results appear indicative of a nearby coal tar source. The sample from monitoring well MW-10D, which is a deep well screened at the interface between the Power Glen Shale and the Whirlpool Sandstone near well MW-2D, was intended to evaluate potential further vertical migration of coal tar in this area. The sample results provide no evidence that such vertical migration has occurred in this area.

Only the groundwater sample from monitoring well MW-5S contained lead concentrations that exceed the GWQS, where lead impacts in soil have already been identified. Based on the results, it does not appear that groundwater over a large area of the site has been impacted by lead.

Summary of Findings

ENVIRON completed a Phase II investigation of the VDM site in Lockport, NY in order to better understand the nature and extent of contamination previously identified at the site. Based on observations and analytical results from samples from the investigation, ENVIRON finds that:


1. Groundwater near the upgradient property boundary at the site has been impacted by chlorinated VOCs and, to a lesser extent, polycyclic aromatic hydrocarbons, suggesting that sources upgradient of the current site but potentially on property previously owned and operated by VDM could be contributing to contamination at the site. In particular, the sample from upgradient well MW-4DR contained some of the greatest concentrations of chlorobenzene, chloroethane, chloroform, 1,1-dichloroethane, 1,2-dichloroethane, toluene, 1,1,1-trichloroethane and vinyl chloride. As discussed above, only chlorobenzene and, to a lesser extent, chloroform continue to be used by the facility according to facility personnel.
2. Although a former pitch tank appears to have been previously present in the vicinity of boring B-6 from the 1999 investigation at the site, no evidence of significant coal tar contamination was identified in this area.
3. No evidence that coal tar or chlorinated VOC dense, non-aqueous phase liquid (DNAPL), has migrated to the top of the Whirlpool Sandstone was identified in the investigation.
4. Significant chloroform soil contamination was not identified in the vicinity of soil boring B-6 from the 1999 investigation as suspected based on prior soil sampling results.
5. Significant concentrations of lead are present in the vicinity of well MW-5s over an area less than 900 square feet.
6. Groundwater contamination by chlorinated VOCs was identified in all wells screened across the interface between the Grimsby Sandstone and the Power Glen Shale.

ENVIRON's Phase II investigation did not discover significant contamination that was not previously identified at the site. If you would like to discuss the investigation or our findings, please call Mike at (609) 243-9811 or Drew at (609) 243-9874.

Sincerely,



Michael P. Scott
Principal



Andrew R. Bonas
Senior Manager

MPS/ARB:cms
02-27767B/DM/PRIN_WP/32612v1.DOCX

Attachments

Tables

TABLE 1
Summary of Soil Sampling Results
Van de Mark Chemical
Lockport, NY

Area Of Concern					MW5S AREA	MW5S AREA	MW5S AREA
Location					SB01	SB01	SB01
ENVIRON Sample ID	NYSDEC Soil	NYSDEC Soil	NYSDEC Soil		SB01-SS01	SB01-SS02	SB01-SS03
Lab Sample ID	Cleanup	Cleanup	Cleanup		480-9139-1	480-9139-2	480-9139-3
Collection Depth(ft)	Objective --	Objective --	Objective --		1 - 1.5	2 - 2.5	7 - 7.5
Sample Method	Unrestricted	Industrial	Protection of		GEOPROBE	GEOPROBE	GEOPROBE
Sample Date			Groundwater		8/30/2011	8/30/2011	8/30/2011
Comments							
VOC							
Acetone	0.05	1000	0.05				
Carbon Disulfide							
Chloroform	0.37	700	0.37				
Ethyl Benzene	1	780	1				
Methylcyclohexane							
Methylene Chloride	0.05	1000	0.05				
Tetrachloroethene	1.3	300	1.3				
Toluene	0.7	1000	0.7				
Xylenes (total)	0.26	1000	1.6				
INORG							
Lead	63	3900	450		<u>139 (1.4)</u>	<u>247 (1.3)</u>	13.9 (1)

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Unrestricted are underlined.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are double underlined.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Protection of Groundwater are **boldfaced**.

Abbreviations:

- U -- Not Detected.
J -- Estimated Concentration.
() -- Detection Limit.

TABLE 1
Summary of Soil Sampling Results
Van de Mark Chemical
Lockport, NY

Area Of Concern				MW5S AREA	MW5S AREA	MW5S AREA
Location				SB02	SB02	SB02
ENVIRON Sample ID	NYSDEC Soil	NYSDEC Soil	NYSDEC Soil	SB02-SS01	SB02-SS02	SB02-SS03
Lab Sample ID	Cleanup	Cleanup	Cleanup	480-9139-4	480-9139-5	480-9139-6
Collection Depth(ft)	Objective --	Objective --	Objective --	1 - 1.5	2.5 - 3	7 - 7.5
Sample Method	Unrestricted	Industrial	Protection of	GEOPROBE	GEOPROBE	GEOPROBE
Sample Date			Groundwater	8/30/2011	8/30/2011	8/30/2011
Comments						
VOC						
Acetone	0.05	1000	0.05			
Carbon Disulfide						
Chloroform	0.37	700	0.37			
Ethyl Benzene	1	780	1			
Methylcyclohexane						
Methylene Chloride	0.05	1000	0.05			
Tetrachloroethene	1.3	300	1.3			
Toluene	0.7	1000	0.7			
Xylenes (total)	0.26	1000	1.6			
INORG						
Lead	63	3900	450	<u>73.9 (1.2)</u>	<u>3970 (1.3)</u>	<u>158 (1.1)</u>

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Unrestricted are underlined.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are double underlined.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Protection of Groundwater are **boldfaced**.

Abbreviations:

- U -- Not Detected.
J -- Estimated Concentration.
() -- Detection Limit.

TABLE 1
Summary of Soil Sampling Results
Van de Mark Chemical
Lockport, NY

Area Of Concern				MW5S AREA	MW5S AREA	MW5S AREA
Location				SB03	SB03	SB03
ENVIRON Sample ID	NYSDEC Soil	NYSDEC Soil	NYSDEC Soil	SB03-SS01	SB03-SS02	SB03-SS03
Lab Sample ID	Cleanup	Cleanup	Cleanup	480-9139-7	480-9139-8	480-9139-9
Collection Depth(ft)	Objective --	Objective --	Objective --	0.5 - 1	2 - 2.5	4 - 4.5
Sample Method	Unrestricted	Industrial	Protection of	GEOPROBE	GEOPROBE	GEOPROBE
Sample Date			Groundwater	8/30/2011	8/30/2011	8/30/2011
Comments						
VOC						
Acetone	0.05	1000	0.05			
Carbon Disulfide						
Chloroform	0.37	700	0.37			
Ethyl Benzene	1	780	1			
Methylcyclohexane						
Methylene Chloride	0.05	1000	0.05			
Tetrachloroethene	1.3	300	1.3			
Toluene	0.7	1000	0.7			
Xylenes (total)	0.26	1000	1.6			
INORG						
Lead	63	3900	450	<u>81.6 (1)</u>	<u>182 (1.4)</u>	<u>123 (1.3)</u>

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Unrestricted are underlined.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are double underlined.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Protection of Groundwater are **boldfaced**.

Abbreviations:

- U -- Not Detected.
J -- Estimated Concentration.
() -- Detection Limit.

TABLE 1
Summary of Soil Sampling Results
Van de Mark Chemical
Lockport, NY

Area Of Concern				MW5S AREA	MW5S AREA	MW5S AREA
Location				SB04	SB04	SB04
ENVIRON Sample ID	NYSDEC Soil	NYSDEC Soil	NYSDEC Soil	SB04-SS01	SB04-SS02	SB04-SS03
Lab Sample ID	Cleanup	Cleanup	Cleanup	480-9139-10	480-9139-11	480-9139-12
Collection Depth(ft)	Objective --	Objective --	Objective --	1 - 1.5	2.5 - 3	4 - 4.5
Sample Method	Unrestricted	Industrial	Protection of	GEOPROBE	GEOPROBE	GEOPROBE
Sample Date			Groundwater	8/30/2011	8/30/2011	8/30/2011
Comments						
VOC						
Acetone	0.05	1000	0.05			
Carbon Disulfide						
Chloroform	0.37	700	0.37			
Ethyl Benzene	1	780	1			
Methylcyclohexane						
Methylene Chloride	0.05	1000	0.05			
Tetrachloroethene	1.3	300	1.3			
Toluene	0.7	1000	0.7			
Xylenes (total)	0.26	1000	1.6			
INORG						
Lead	63	3900	450	8 (1.1)	<u>95.8 (1.3)</u>	<u>72.7 (1.2)</u>

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Unrestricted are underlined.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are double underlined.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Protection of Groundwater are **boldfaced**.

Abbreviations:

- U -- Not Detected.
J -- Estimated Concentration.
() -- Detection Limit.

TABLE 1
Summary of Soil Sampling Results
Van de Mark Chemical
Lockport, NY

Area Of Concern					MW5S AREA	MW5S AREA	MW5S AREA
Location					SB05	SB05	SB05
ENVIRON Sample ID	NYSDEC Soil	NYSDEC Soil	NYSDEC Soil		SB05-SS01	SB05-SS02	SB05-SS03
Lab Sample ID	Cleanup	Cleanup	Cleanup		480-9139-13	480-9139-14	480-9139-15
Collection Depth(ft)	Objective --	Objective --	Objective --		1 - 1.5	3 - 3.5	4 - 4.5
Sample Method	Unrestricted	Industrial	Protection of		GEOPROBE	GEOPROBE	GEOPROBE
Sample Date			Groundwater		8/30/2011	8/30/2011	8/30/2011
Comments							
VOC							
Acetone	0.05	1000	0.05				
Carbon Disulfide							
Chloroform	0.37	700	0.37				
Ethyl Benzene	1	780	1				
Methylcyclohexane							
Methylene Chloride	0.05	1000	0.05				
Tetrachloroethene	1.3	300	1.3				
Toluene	0.7	1000	0.7				
Xylenes (total)	0.26	1000	1.6				
INORG							
Lead	63	3900	450		<u>364 (1.2)</u>	<u>603 (1.2)</u>	<u>345 (1.1)</u>

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Unrestricted are underlined.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are double underlined.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Protection of Groundwater are **boldfaced**.

Abbreviations:

- U – Not Detected.
J – Estimated Concentration.
() – Detection Limit.

TABLE 1
Summary of Soil Sampling Results
Van de Mark Chemical
Lockport, NY

Area Of Concern					MW5S AREA	MW5S AREA	MW5S AREA
Location					SB06	SB06	SB06
ENVIRON Sample ID	NYSDEC Soil	NYSDEC Soil	NYSDEC Soil		SB06-SS01	SB06-SS02	SB06-SS03
Lab Sample ID	Cleanup	Cleanup	Cleanup		480-9139-16	480-9139-17	480-9139-18
Collection Depth(ft)	Objective --	Objective --	Objective --		0 - 0.5	2 - 2.5	4 - 4.5
Sample Method	Unrestricted	Industrial	Protection of		GEOPROBE	GEOPROBE	GEOPROBE
Sample Date			Groundwater		8/30/2011	8/30/2011	8/30/2011
Comments							
VOC							
Acetone	0.05	1000	0.05				
Carbon Disulfide							
Chloroform	0.37	700	0.37				
Ethyl Benzene	1	780	1				
Methylcyclohexane							
Methylene Chloride	0.05	1000	0.05				
Tetrachloroethene	1.3	300	1.3				
Toluene	0.7	1000	0.7				
Xylenes (total)	0.26	1000	1.6				
INORG							
Lead	63	3900	450		<u>159 (1)</u>	<u>410 (1.2)</u>	<u>67.7 (1.4)</u>

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Unrestricted are underlined.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are double underlined.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Protection of Groundwater are **boldfaced**.

Abbreviations:

- U -- Not Detected.
J -- Estimated Concentration.
() -- Detection Limit.

TABLE 1
Summary of Soil Sampling Results
Van de Mark Chemical
Lockport, NY

Area Of Concern					FORMER B6 BORING AREA	FORMER B6 BORING AREA
Location					SB07	SB08
ENVIRON	Sample ID	NYSDEC Soil	NYSDEC Soil	NYSDEC Soil	SB07-SS01	SB08-SS01
Lab	Sample ID	Cleanup	Cleanup	Cleanup	480-9139-19	480-9139-20
Collection	Depth(ft)	Objective --	Objective --	Objective --	0.5 - 1	4 - 4.5
Sample	Method	Unrestricted	Industrial	Protection of	GEOPROBE	GEOPROBE
Sample	Date			Groundwater	8/30/2011	8/30/2011
Comments						
VOC						
	Acetone	0.05	1000	0.05	U (0.026)	0.018 J (0.025)
	Carbon Disulfide				U (0.0052)	U (0.005)
	Chloroform	0.37	700	0.37	0.037 (0.0052)	0.13 (0.005)
	Ethyl Benzene	1	780	1	U (0.0052)	U (0.005)
	Methylcyclohexane				U (0.0052)	U (0.005)
	Methylene Chloride	0.05	1000	0.05	0.0049 J (0.0052)	0.0043 J (0.005)
	Tetrachloroethene	1.3	300	1.3	0.00094 J (0.0052)	U (0.005)
	Toluene	0.7	1000	0.7	0.0013 J (0.0052)	U (0.005)
	Xylenes (total)	0.26	1000	1.6	0.0031 J (0.01)	0.0011 J (0.0099)
INORG						
	Lead	63	3900	450		

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Unrestricted are underlined.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are double underlined.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Protection of Groundwater are **boldfaced**.

Abbreviations:

- U -- Not Detected.
J -- Estimated Concentration.
() -- Detection Limit.

TABLE 1
Summary of Soil Sampling Results
Van de Mark Chemical
Lockport, NY

Area Of Concern					FORMER B6 BORING AREA	FORMER B6 BORING AREA
Location					SB09	SB10
ENVIRON Sample ID					SB09-SS01	SB10-SS01
Lab Sample ID					480-9139-21	480-9139-22
Collection Depth(ft)					1.5 - 2	2 - 2.5
Sample Method					GEOPROBE	GEOPROBE
Sample Date					8/30/2011	8/30/2011
Comments						
VOC						
	Acetone	0.05	1000	0.05	0.01 J (0.046)	0.0095 J (0.03)
	Carbon Disulfide				0.0063 J (0.0092)	U (0.006)
	Chloroform	0.37	700	0.37	0.27 (0.0092)	0.2 (0.006)
	Ethyl Benzene	1	780	1	U (0.0092)	U (0.006)
	Methylcyclohexane				0.0024 J (0.0092)	0.00092 J (0.006)
	Methylene Chloride	0.05	1000	0.05	0.0061 J (0.0092)	0.0047 J (0.006)
	Tetrachloroethene	1.3	300	1.3	0.0034 J (0.0092)	0.0014 J (0.006)
	Toluene	0.7	1000	0.7	U (0.0092)	U (0.006)
	Xylenes (total)	0.26	1000	1.6	U (0.018)	0.021 (0.012)
INORG						
	Lead	63	3900	450		

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Unrestricted are underlined.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are double underlined.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Protection of Groundwater are **boldfaced**.

Abbreviations:

- U -- Not Detected.
J -- Estimated Concentration.
() -- Detection Limit.

TABLE 1
Summary of Soil Sampling Results
Van de Mark Chemical
Lockport, NY

Area Of Concern					FORMER B6 BORING AREA	FORMER B6 BORING AREA
Location					SB11	SB12
ENVIRON Sample ID	NYSDEC Soil	NYSDEC Soil	NYSDEC Soil		SB11-SS01	SB12-SS01
Lab Sample ID	Cleanup	Cleanup	Cleanup		480-9139-23	480-9139-24
Collection Depth(ft)	Objective --	Objective --	Objective --		1 - 1.5	2.5 - 3
Sample Method	Unrestricted	Industrial	Protection of		GEOPROBE	GEOPROBE
Sample Date			Groundwater		8/30/2011	8/30/2011
Comments						
VOC						
Acetone	0.05	1000	0.05		U (0.043)	U (0.024)
Carbon Disulfide					0.0043 J (0.0087)	U (0.0048)
Chloroform	0.37	700	0.37		76 D (0.88)	0.015 (0.0048)
Ethyl Benzene	1	780	1		U (0.0087)	U (0.0048)
Methylcyclohexane					U (0.0087)	U (0.0048)
Methylene Chloride	0.05	1000	0.05		0.0074 J (0.0087)	0.0065 (0.0048)
Tetrachloroethene	1.3	300	1.3		0.004 J (0.0087)	U (0.0048)
Toluene	0.7	1000	0.7		U (0.0087)	U (0.0048)
Xylenes (total)	0.26	1000	1.6		U (0.017)	U (0.0096)
INORG						
Lead	63	3900	450			

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Unrestricted are underlined.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are double underlined.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Protection of Groundwater are **boldfaced**.

Abbreviations:

- U -- Not Detected.
J -- Estimated Concentration.
() -- Detection Limit.

TABLE 1
Summary of Soil Sampling Results
Van de Mark Chemical
Lockport, NY

Area Of Concern					FORMER B6 BORING AREA	FORMER B6 BORING AREA
Location					SB12	SB13
ENVIRON Sample ID	NYSDEC Soil	NYSDEC Soil	NYSDEC Soil		SB12-SS11	SB13-SS01
Lab Sample ID	Cleanup	Cleanup	Cleanup		480-9139-25	480-9139-26
Collection Depth(ft)	Objective --	Objective --	Objective --		2.5 - 3	0.5 - 1
Sample Method	Unrestricted	Industrial	Protection of		GEOPROBE	GEOPROBE
Sample Date			Groundwater		8/30/2011	8/30/2011
Comments					Field Duplicate	
VOC						
Acetone	0.05	1000	0.05		U (0.026)	U (0.036)
Carbon Disulfide					U (0.0053)	U (0.0073)
Chloroform	0.37	700	0.37		0.02 (0.0053)	0.24 (0.0073)
Ethyl Benzene	1	780	1		U (0.0053)	0.02 (0.0073)
Methylcyclohexane					U (0.0053)	0.0014 J (0.0073)
Methylene Chloride	0.05	1000	0.05		0.007 (0.0053)	0.076 (0.0073)
Tetrachloroethene	1.3	300	1.3		U (0.0053)	U (0.0073)
Toluene	0.7	1000	0.7		U (0.0053)	0.022 (0.0073)
Xylenes (total)	0.26	1000	1.6		U (0.011)	0.072 (0.015)
INORG						
Lead	63	3900	450			

Notes:

- 1 All concentrations are presented in mg/kg (ppm).
- 2 Only compounds with at least one detection are shown.
- 3 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Unrestricted are underlined.
- 4 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Industrial are double underlined.
- 5 Concentrations that exceed the NYSDEC Soil Cleanup Objective -- Protection of Groundwater are **boldfaced**.

Abbreviations:

- U -- Not Detected.
J -- Estimated Concentration.
() -- Detection Limit.

Sample Method	for Human Health	for Human	MICROFUGE	MICROFUGE	MICROFUGE	MICROFUGE	MICROFUGE	MICROFUGE	MICROFUGE	
Sample Date	(Water Source)	Health (Water	9/2/2011	9/1/2011	9/1/2011	9/1/2011	9/2/2011	9/2/2011	9/2/2011	9/2/2011
Comments		Source)								
Analysed										
			MW10D-20110902	MW10D-110902	MW3D-110901	MW4D-110901	MW5S-110901	MW7D-110902	MW7D-110902D	MW8D-110901
Acetone		50	9.4 J (10)	U (10)	3.1 J (10)	U (10)	U (10)	U (10)	U (10)	10 (10)
Benzene	1		U (1)	U (1)	<u>3.7 (1)</u>	U (1)	U (1)	U (1)	U (1)	0.55 J (1)
Bromodichloromethane		50	12 (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	3.4 (1)
Carbon Disulfide	60	60	1.6 (1)	U (1)	0.66 J (1)	U (1)	U (1)	U (1)	U (1)	2.2 (1)
Chlorobenzene	5 *		U (1)	U (1)	<u>46 (1)</u>	U (1)	U (1)	U (1)	U (1)	1.6 (1)
Chloroethane	5 *		U (1)	2.1 (1)	<u>33 (1)</u>	U (1)	4.4 (1)	5 (1)	5 (1)	3.8 (1)
Chloroform	7		<u>35 (1)</u>	U (1)	<u>42 (1)</u>	U (1)	0.5 J (1)	0.49 J (1)	14 (1)	19
Cumene	5 *		U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)
Cyclohexane			U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)
Dibromochloromethane		50	4.2 (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	1.3 (1)
1,4-Dichlorobenzene	3		U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)
1,1-Dichloroethane	5 *		U (1)	<u>160 D (4)</u>	<u>230 D (4)</u>	U (1)	<u>22 (1)</u>	<u>24 (1)</u>	<u>9.5 (1)</u>	U (1)
1,2-Dichloroethane	0.6		U (1)	<u>28 (1)</u>	<u>49 (1)</u>	U (1)	<u>0.95 J (1)</u>	<u>1 (1)</u>	U (1)	U (1)
1,1-Dichloroethene	5 *		U (1)	<u>65 (1)</u>	<u>130 D (4)</u>	U (1)	3 (1)	3.4 (1)	3.5 (1)	U (1)
cis-1,2-Dichloroethene	5 *		U (1)	0.93 J (1)	1.4 (1)	U (1)	U (1)	U (1)	U (1)	U (1)
1,2-Dichloropropane	1		U (1)	<u>1.4 (1)</u>	<u>6 (1)</u>	U (1)	U (1)	U (1)	U (1)	U (1)
Ethyl Benzene	5 *		U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)
Methylcyclohexane			U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)	U (1)
Methylene Chloride	5 *		U (1)	U (1)	<u>12 (1)</u>	U (1)	0.61 J (1)	0.62 J (1)	U (1)	U (1)
Tetrachloroethene	5 *		U (1)	U (1)	0.47 J (1)	U (1)	U (1)	U (1)	U (1)	U (1)
Toluene	5 *		0.79 J (1)	U (1)	1.7 (1)	U (1)	U (1)	U (1)	0.72 J (1)	U (1)
1,1,1-Trichloroethane	5 *		U (1)	<u>31 (1)</u>	<u>46 (1)</u>	U (1)	1.5 (1)	1.6 (1)	U (1)	U (1)
Trichloroethene	5 *		U (1)	1.4 (1)	3.1 (1)	U (1)	U (1)	U (1)	U (1)	U (1)
Vinyl Chloride	2		U (1)	<u>28 (1)</u>	<u>27 (1)</u>	U (1)	1.5 (1)	1.7 (1)	U (1)	U (1)
Xylenes (total)	5 *		1.6 J (2)	U (2)	0.77 J (2)	U (2)	0.69 J (2)	U (2)	U (2)	1400
Acenaphthene			U (5.4)	2.7 J (5.2)	32 (5.4)	U (5)	3.4 J (5.4)	0.91 J (5.7)	1.5 J (5.8)	0.6
Acetophenone			U (5.4)	U (5.2)	U (5.4)	U (5)	U (5.4)	U (5.7)	U (5.8)	2.7
Anthracene		50	U (5.4)	U (5.2)	0.47 J (5.4)	U (5)	U (5.4)	U (5.7)	U (5.8)	U (5.8)
Benzaldehyde			0.66 J (5.4)	U (5.2)	U (5.4)	U (5)	U (5.4)	U (5.7)	U (5.8)	U (5.8)
Benzo(a)anthracene		0.002	U (5.4)	U (5.2)	U (5.4)	0.61 J (5)	U (5.4)	U (5.7)	U (5.8)	U (5.8)
Benzo(a)pyrene			U (5.4)	U (5.2)	U (5.4)	0.54 J (5)	U (5.4)	U (5.7)	U (5.8)	U (5.8)
Benzo(b)fluoranthene		0.002	U (5.4)	U (5.2)	U (5.4)	0.54 J (5)	U (5.4)	U (5.7)	U (5.8)	U (5.8)
Benzo(g,h,i)perylene			U (5.4)	U (5.2)	U (5.4)	0.38 J (5)	U (5.4)	U (5.7)	U (5.8)	U (5.8)
bis(2-Chloroethyl) ether	1		U (5.4)	U (5.2)	<u>1.5 J (5.4)</u>	U (5)	U (5.4)	U (5.7)	U (5.8)	U (5.8)
bis(2-Ethylhexyl)phthalate	5		U (5.4)	U (5.2)	2.1 J (5.4)	2.8 J (5)	U (5.4)	2.1 J (5.7)	4 J (5.8)	U (5.8)
Carbazole			U (5.4)	1.7 J (5.2)	11 (5.4)	U (5)	3.1 J (5.4)	2.1 J (5.7)	U (5.8)	U (5.8)
Chrysene		0.002	U (5.4)	U (5.2)	U (5.4)	0.68 J (5)	U (5.4)	U (5.7)	U (5.8)	U (5.8)
Dibenzofuran			U (11)	1.3 J (10)	9.1 J (11)	U (10)	3.2 J (11)	2.3 J (11)	U (12)	U (12)
Diethylphthalate		50	U (5.4)	0.52 J (5.2)	U (5.4)	1.5 J (5)	U (5.4)	U (5.7)	1.6 J (5.8)	U (5.8)
2,4-Dimethylphenol		50	U (5.4)	U (5.2)	U (5.4)	U (5)	U (5.4)	U (5.7)	U (5.8)	0.95
Di-n-butylphthalate	50		U (5.4)	0.57 J (5.2)	0.6 J (5.4)	U (5)	U (5.4)	U (5.7)	0.63 J (5.8)	U (5.8)
Fluoranthene		50	U (5.4)	U (5.2)	U (5.4)	0.74 J (5)	U (5.4)	U (5.7)	U (5.8)	U (5.8)
Fluorene		50	U (5.4)	0.75 J (5.2)	9.6 (5.4)	U (5)	1.8 J (5.4)	1.6 J (5.7)	U (5.8)	U (5.8)
Naphthalene			U (5.4)	U (5.2)	1 J (5.4)	U (5)	U (5.4)	U (5.7)	3 J (5.8)	0.92
N-Nitrosodiphenylamine		50	U (5.4)	U (5.2)	U (5.4)	U (5)	U (5.4)	U (5.7)	0.61 J (5.8)	U (5.8)
Pentachlorophenol			U (11)	U (10)	5.1 J (11)	U (10)	U (11)	U (11)	U (12)	U (12)
Phenanthrene		50	U (5.4)	U (5.2)	3.9 J (5.4)	U (5)	U (5.4)	U (5.7)	U (5.8)	U (5.8)
Phenol			U (5.4)	U (5.2)	U (5.4)	U (5)	0.83 J (5.4)	U (5.7)	U (5.8)	U (5.8)
Pyrene		50	U (5.4)	U (5.2)	U (5.4)	1.2 J (5)	U (5.4)	U (5.7)	U (5.8)	U (5.8)
Lead	25		5 (5)	U (5)	U (5)	<u>67 (5)</u>	U (5)	U (5)	5.4 (5)	3

concentrations are entered in ug/L (ppb).

ly compounds with at least one detection are shown.

concentrations that exceed the MCLD/C 703.5 Class CA Water Quality Standard for Human Health (Water Source) are double underlined.

TABLE 3
Summary of QA Sampling Results
Van de Mark Chemical
Lockport, NY

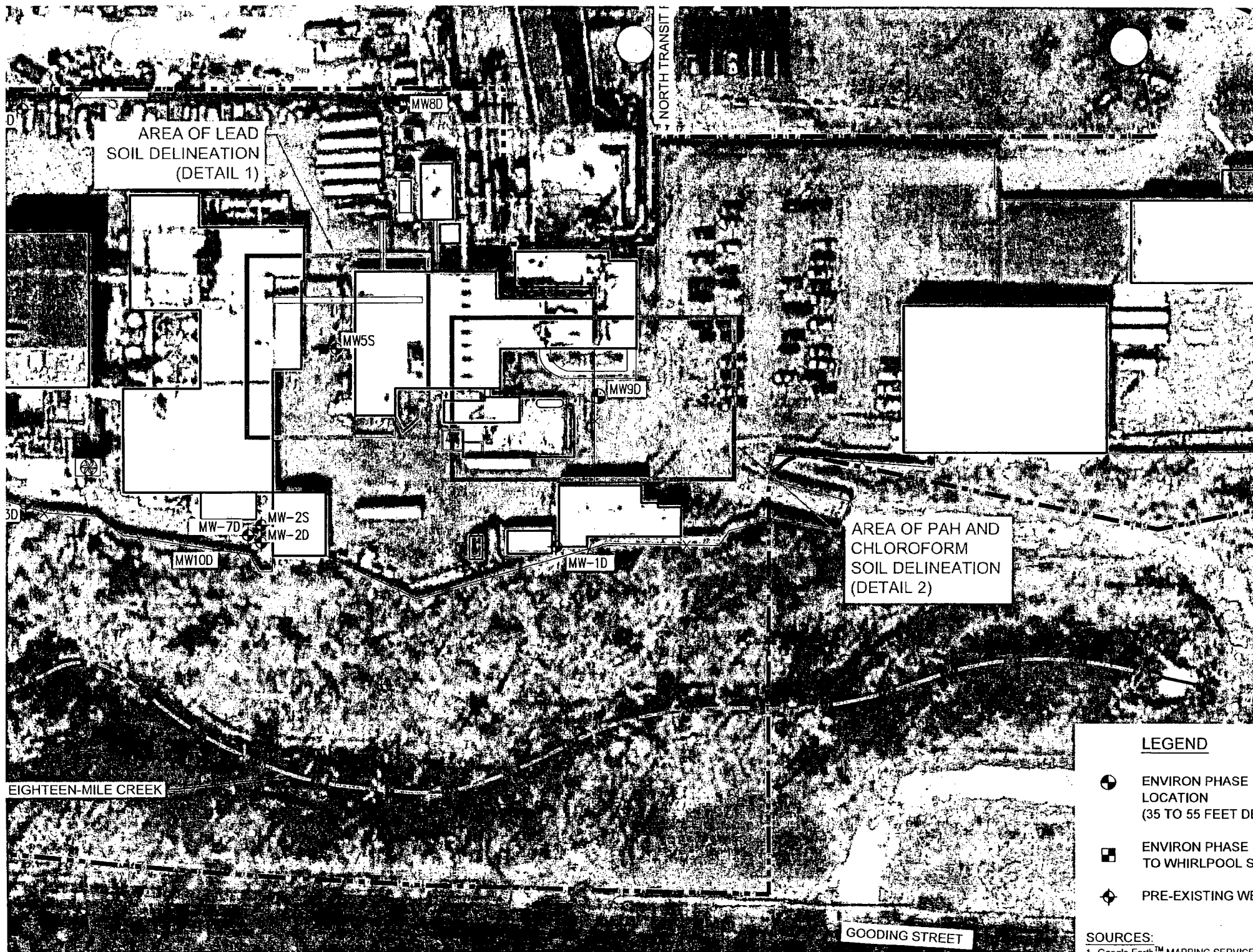
Location	QAQC	QAQC
ENVIRON Sample ID	TB-110830	TB-110902
Lab Sample ID	480-9139-27	480-9354-9
Matrix	Blank Water	Blank Water
Sample Date	8/30/2011	9/2/2011
Comments	Trip Blank	Trip Blank
VOC		
Methylene Chloride	3.7 (1)	U (1)

Notes:

- 1 All concentrations are presented in ug/L (ppb).
- 2 Only compounds with at least one detection are shown.

Abbreviations:

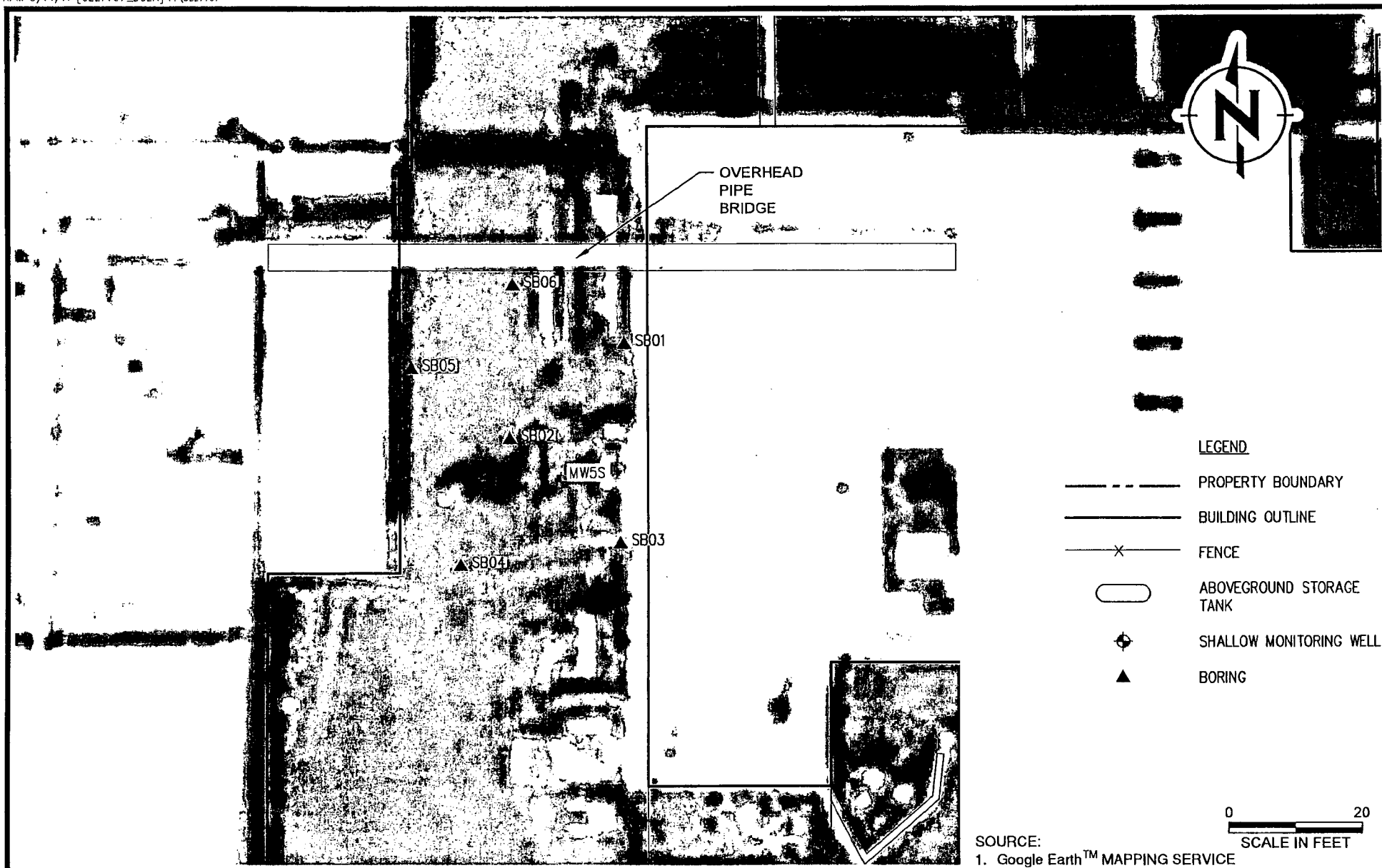
- U -- Not Detected.
- J -- Estimated Concentration.
- () -- Detection Limit.



LEGEND

- ENVIRON PHASE I
LOCATION
(35 TO 55 FEET DE
- ENVIRON PHASE I
TO WHIRLPOOL S.
- ◆ PRE-EXISTING WE

SOURCES:
1. Google Earth™ MAPPING SERVICE



ENVIRON

environcorp.com

DRAFTED BY: KPM

DATE: 9/13/2011

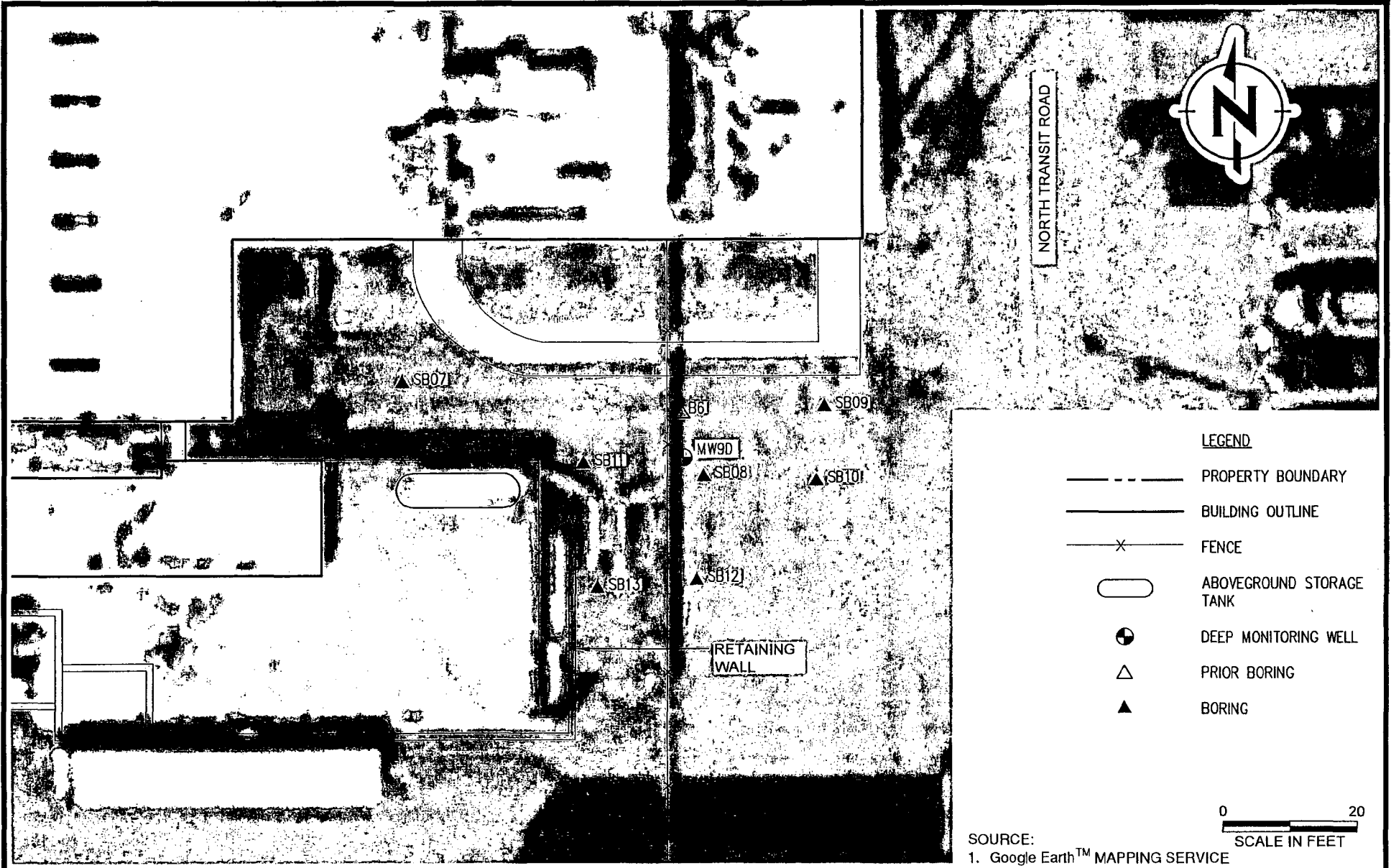
PHASE II INVESTIGATION SAMPLING LOCATIONS - DETAIL 1

VAN MARK CHEMICAL, INC.
KPORT, NEW YORK

**FIGURE
2A**

0227767A

VDM00165



ENVIRON

www.environcorp.com

DRAFTED BY: KPM

DATE: 9/13/2011

PHASE II INVESTIGATION SAMPLING LOCATIONS - DETAIL 2

VANDEMARK CHEMICAL, INC.
LOCKPORT, NEW YORK

**FIGURE
2B**

0227767A

BORING #:	SB01	ENVIRON BORING LOG PROJECT: VDM: Lockport, NY CASE # 02-27767B
DATE:	August 30, 2011	
START TIME:	0835	
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	COMMENTS: Lead Soil Delineation Area
DRILLER:	J.Loranty	
RIG:	Geoprobe 6610DT Track Unit	
SAMPLING METHOD:	Geoprobe Macro-Core	
BORING DIA:	2-inch	
BORING DEPTH	7.5-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND	<u>SB01-SS01</u> (1.0 – 1.5) for lead.	0.0 – 1.0 Gray silty sand and gravel. 1.0 – 3.0 Black silt with red-brick pieces, gravel, woody fragments.
4 – 8	NA	3.5	ND	<u>SB01-SS02</u> (2.0 – 2.5) for lead.	3.0 – 4.0 No recovery. 4.0 – 7.0 Black silty sand and gravel, moist to wet. 7.0 – 7.5 Red/brown sandy silt, damp.
				<u>SB01-SS03</u> (7.0 – 7.5) for lead.	Refusal at ~7.5' bgs.

COMMENTS:

BORING #:	SB02	ENVIRON BORING LOG PROJECT: VDM: Lockport, NY CASE # 02-27767B
DATE:	August 30, 2011	
START TIME:	0900	
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	
DRILLER:	J. Loranty	COMMENTS: Lead Soil Delineation Area
RIG:	Geoprobe 6610DT Track Unit	
SAMPLING METHOD:	Geoprobe Macro-Core	
BORING DIA:	2-inch	
BORING DEPTH	7.5-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.5	ND	<u>SB02-SS01</u> (1.0 – 1.5) for lead.	0.0 – 0.5 Gray Gravel. 0.5 – 2.0 Black silt and fine sand.
4 – 8	NA	3.5	ND	<u>SB02-SS02</u> (2.5 – 3.0) for lead.	2.0 – 2.5 Red/brown silty fine sand. 2.5 – 3.5 Black silty fine to medium sand, gravel.
				<u>SB02-SS03</u> (7.0 – 7.5) for lead.	4.0 – 7.0 Black fine sand and gravel, wet. 7.0 – 7.5 Red sandy silt with gray sandy rock fragments.
					Refusal at ~7.5' bgs.

COMMENTS:

BORING #:	SB03	ENVIRON BORING LOG PROJECT: VDM: Lockport, NY CASE # 02-27767B
DATE:	August 30, 2011	
START TIME:	0915	
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	
DRILLER:	J. Loranty	COMMENTS: Lead Soil Delineation Area
RIG:	Geoprobe 6610DT Track Unit	
SAMPLING METHOD:	Geoprobe Macro-Core	
BORING DIA:	2-inch	
BORING DEPTH	6.5-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND	<u>SB03-SS01</u> (0.5 – 1.0) for lead.	0.0 – 1.0 Gray silt with fine sand.
4 – 8	NA	2.5	ND	<u>SB03-SS02</u> (2.0 – 2.5) for lead.	1.0 – 3.0 Black silt and gravel, red sandy rock fragments and cinder-like material throughout.
				<u>SB03-SS03</u> (4.0 – 4.5) for lead.	3.0 – 4.0 No recovery. 4.0 – 6.5 Black silty fine sand, wet in places. Refusal at ~6.5' bgs.

COMMENTS:

BORING #:	SB04	ENVIRON BORING LOG PROJECT: VDM: Lockport, NY CASE # 02-27767B
DATE:	August 30, 2011	
START TIME:	0938	
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	
DRILLER:	J. Loranty	COMMENTS: Lead Soil Delineation Area
RIG:	Geoprobe 6610DT Track Unit	
SAMPLING METHOD:	Geoprobe Macro-Core	
BORING DIA:	2-inch	
BORING DEPTH	6.5-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND, 7.3 (2.5-3)	<u>SB04-SS01</u> (1.0 – 1.5) for lead.	0.0 – 1.0 Gray gravel.
4 – 8	NA	2.5	1.6, 0.8, ND, ND, ND	<u>SB04-SS02</u> (2.5 – 3.0) for lead.	1.0 – 2.5 Black silt and gravel, red-brick pieces and cinders.
				<u>SB04-SS03</u> (4.0 – 4.5) for lead.	2.5 – 3.0 Black silt and gravel, with wood fragments, many cinders.
					3.0 – 4.0 No recovery.
					4.0 – 6.0 Black silty fine to medium sand and gravel, moist to wet at base.
					6.0 – 6.8 Red silt and gravel.
					Refusal at ~6.8' bgs.

COMMENTS:

BORING #:	SB05	ENVIRON BORING LOG PROJECT: VDM: Lockport, NY CASE # 02-27767B
DATE:	August 30, 2011	
START TIME:	0950	
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	COMMENTS: Lead Soil Delineation Area
DRILLER:	J. Loranty	
RIG:	Geoprobe 6610DT Track Unit	
SAMPLING METHOD:	Geoprobe Macro-Core	
BORING DIA:	2-inch	
BORING DEPTH	6.5-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.5	ND	<u>SB05-SS01</u> (1.0 – 1.5) for lead.	0.0 – 1.0 Gray gravel.
4 – 8	NA	2.5	ND	<u>SB05-SS02</u> (3.0 – 3.5) for lead.	1.0 – 3.5 Black silt with cinders, red-brick pieces.
				<u>SB05-SS03</u> (4.0 – 4.5) for lead.	4.0 – 6.5 Black silty fine to medium sand with cinders, wet at base.
					Refusal at ~6.5' bgs.

COMMENTS:

BORING #:	SB06	ENVIRON BORING LOG PROJECT: VDM: Lockport, NY CASE # 02-27767B
DATE:	August 30, 2011	
START TIME:	1008	
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	
DRILLER:	J. Loranty	COMMENTS: Lead Soil Delineation Area
RIG:	Geoprobe 6610DT Track Unit	
SAMPLING METHOD:	Geoprobe Macro-Core	
BORING DIA:	2-inch	
BORING DEPTH	6.5-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND	<u>SB06-SS01</u> (0.0 – 0.5) for lead.	0.0 – 1.0 Gray silt with yellow fine sand.
4 – 8	NA	2.5	ND	<u>SB06-SS02</u> (2.0 – 2.5) for lead.	1.0 – 3.0 Black fine sandy silt, red-brick pieces, trace cinders, pinkish sandy rock fragment at ~2.5'. 3.0 – 4.0 No recovery.
				<u>SB06-SS03</u> (4.0 – 4.5) for lead.	4.0 – 6.0 Black silty fine to medium sand and gravel, moist to wet. 6.0 – 6.5 Red silt. Refusal at ~6.5' bgs.

COMMENTS:

BORING #:	SB07	ENVIRON BORING LOG PROJECT: VDM: Lockport, NY CASE # 02-27767B
DATE:	August 30, 2011	
START TIME:	1100	
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	
DRILLER:	J. Loranty	COMMENTS: Former "B6" Boring Area
RIG:	Geoprobe 6610DT Track Unit	
SAMPLING METHOD:	Geoprobe Macro-Core	
BORING DIA:	2-inch	
BORING DEPTH	3.0-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	1.5	ND, 0.4, ND	<u>SB07-SS01</u> (0.5 – 1.0) for VOCs.	0.0 – 1.0 Gray gravel and light brown silt. 1.0 – 1.5 Concrete pieces. Refusal at ~3.0' bgs.

COMMENTS:

BORING #:	SB08	ENVIRON BORING LOG PROJECT: VDM: Lockport, NY CASE # 02-27767B
DATE:	August 30, 2011	
START TIME:	1135	
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	
DRILLER:	J. Loranty	COMMENTS: Former "B6" Boring Area
RIG:	Geoprobe 6610DT Track Unit	
SAMPLING METHOD:	Geoprobe Macro-Core	
BORING DIA:	2-inch	
BORING DEPTH	5.0-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND	SB08-SS01 (4.0 – 4.5) for VOCs.	0.0 – 2.0 Black silt with cinders.
4 – 8	NA	1.0	ND		2.0 – 3.0 Black clayey silt. 3.0 – 4.0 No recovery. 4.0 – 5.0 Red/brown silt, gray sandstone fragment at base. Refusal at ~5.0' bgs.

COMMENTS: Several offset locations attempted due to concrete refusal at ~1' bgs.

BORING #:	SB09	ENVIRON BORING LOG PROJECT: VDM: Lockport, NY CASE # 02-27767B
DATE:	August 30, 2011	
START TIME:	1200	
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	
DRILLER:	J. Loranty	COMMENTS: Former "B6" Boring Area
RIG:	Geoprobe 6610DT Track Unit	
SAMPLING METHOD:	Geoprobe Macro-Core	
BORING DIA:	2-inch	
BORING DEPTH	2.5-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	2.5	ND	<u>SB09-SS01</u> (1.5 – 2.0) for VOCs.	0.0 – 1.0 Dark brown silt and gravel. 1.0 – 2.5 Black silt with fine sand, cinders. Refusal at ~2.5' bgs.

COMMENTS:

BORING #:	SB10	ENVIRON BORING LOG PROJECT: VDM: Lockport, NY CASE # 02-27767B
DATE:	August 30, 2011	
START TIME:	1210	
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	
DRILLER:	J. Loranty	COMMENTS: Former "B6" Boring Area
RIG:	Geoprobe 6610DT Track Unit	
SAMPLING METHOD:	Geoprobe Macro-Core	
BORING DIA:	2-inch	
BORING DEPTH	5.5-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.5	ND	SB10-SS01 (2.0 – 2.5) for VOCs.	0.0 – 0.5 Brown silt and gravel.
4 – 8	NA	1.5	ND		0.5 – 2.5 Black silt and fine sand, cinders.
					2.5 – 3.0 Red/brown silty fine sand.
					3.0 – 3.5 Gray sandstone fragments.
					4.0 – 5.5 Light red sandstone fragments.
					Refusal at ~5.5' bgs.

COMMENTS:

BORING #:	SB11	ENVIRON BORING LOG PROJECT: VDM: Lockport, NY CASE # 02-27767B
DATE:	August 30, 2011	
START TIME:	1225	
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	
DRILLER:	J. Loranty	COMMENTS: Former "B6" Boring Area
RIG:	Geoprobe 6610DT Track Unit	
SAMPLING METHOD:	Geoprobe Macro-Core	
BORING DIA:	2-inch	
BORING DEPTH	5.5-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	2.5	ND, 0.7, 1.9, ND, ND	<u>SB11-SS01</u> (1.0 – 1.5) for VOCs.	0.0 – 2.5 Black silty fine sand with cinders, red sandstone fragments.
4 – 8	NA	1.5	ND		2.5 – 4.0 No recovery.
					4.0 – 5.0 Brown silt, wet.
					5.0 – 5.5 Gray sandstone fragments in red silt.
					Refusal at ~5.5' bgs.

COMMENTS:

BORING #:	SB12	ENVIRON BORING LOG PROJECT: VDM: Lockport, NY
DATE:	August 30, 2011	
START TIME:	1245	
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	
DRILLER:	J. Loranty	CASE # 02-27767B
RIG:	Geoprobe 6610DT Track Unit	COMMENTS: Former "B6" Boring Area
SAMPLING METHOD:	Geoprobe Macro-Core	
BORING DIA:	2-inch	
BORING DEPTH	7.0-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	3.0	ND	<u>SB12-SS01</u> & <u>SB12-SS11</u> (2.5 – 3.0) for VOCs.	0.0 – 1.0 Brown silt and gravel. 1.0 – 3.0 Red/brown silt and fine sand, trace black silt lenses. 3.0 – 4.0 No recovery. 4.0 – 5.5 Gray silty fine sand, much gravel, wet, red silt and gray sandstone rock fragments at base. Refusal at ~7.0' bgs.
4 – 8	NA	1.5	ND		

COMMENTS:

BORING #:	SB13	ENVIRON BORING LOG PROJECT: VDM: Lockport, NY CASE # 02-27767B
DATE:	August 30, 2011	
START TIME:	1305	
LOGGED BY:	J. Shipley	
DRILLING CO:	Nothnagle Drilling, Inc.	COMMENTS: Former "B6" Boring Area
DRILLER:	J. Loranty	
RIG:	Geoprobe 6610DT Track Unit	
SAMPLING METHOD:	Geoprobe Macro-Core	
BORING DIA:	2-inch	
BORING DEPTH	5.0-feet	
ORGANIC VAPOR EQUIPMENT	PID (11.7 eV)	

DEPTH (feet)	BLOW COUNTS	RECOVERY (feet)	ORGANIC VAPORS (ppm)	SAMPLE(S) DESIGNATION	DESCRIPTION
0 – 4	NA	2.5	ND	<u>SB13-SS01</u> (0.5 – 1.0) for VOCs.	0.0 – 2.5 Black silty fine sand, cinders, clayey at base, wet ~1-2' bgs.
4 – 8	NA	1.0	ND		2.5 – 4.0 No recovery.
					4.0 – 5.0 Black silty fine sand, cinders, wet, red silt and gray sandstone fragments at base.
					Refusal at ~5.0' bgs.

COMMENTS:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-9139-1
Client Project/Site: VDM Lockport

For:
ENVIRON International Corp.
214 Carnegie Center
Suite 200
Princeton, New Jersey 08540

Attn: Mr. Jay Shipley

Peggy Gray-Erdmann

Authorized for release by:
09/07/2011 12:22:03 PM

Peggy Gray-Erdmann
Project Manager II
peggy.gray-erdmann@testamericainc.com

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Definitions/Glossary

Client: ENVIRON International Corp.

TestAmerica Job ID: 480-9139-1

Project/Site: VDM Lockport

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.

Metals

Qualifier	Qualifier Description
F	MS/MSD Recovery or RPD exceeds the control limits
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☆	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RI	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Job ID: 480-9139-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-9139-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: Internal standard (ISTD) response for the following Encore soil samples were outside of acceptance limits: SB09-SS01 (480-9139-21), SB10-SS01 (480-9139-22), SB13-SS01 (480-9139-26). The samples were not re-analyzed due to insufficient volume.

Method(s) 8260B: The following samples were diluted due to the abundance of target analytes: SB11-SS01 (480-9139-23). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The continuing calibration verification (CCV) for Chloroethane recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The Matrix Spike/ Matrix Spike Duplicate (MS/MSD) (480-9139-11 MS), (480-9139-11 MSD) recoveries for total lead in batch 29833 were outside control limits. The associated Laboratory Control Sample (LCSSRM) recovery met acceptance criteria, therefore no corrective action was necessary.

No other analytical or quality issues were noted.

Detection Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB01-SS01						Lab Sample ID: 480-9139-1			
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	139		1.4	0.33	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: SB01-SS02						Lab Sample ID: 480-9139-2			
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	247		1.3	0.32	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: SB01-SS03						Lab Sample ID: 480-9139-3			
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	13.9		1.0	0.25	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: SB02-SS01						Lab Sample ID: 480-9139-4			
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	73.9		1.2	0.29	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: SB02-SS02						Lab Sample ID: 480-9139-5			
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3970		1.3	0.31	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: SB02-SS03						Lab Sample ID: 480-9139-6			
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	158		1.1	0.27	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: SB03-SS01						Lab Sample ID: 480-9139-7			
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	81.6		1.0	0.24	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: SB03-SS02						Lab Sample ID: 480-9139-8			
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	182		1.4	0.34	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: SB03-SS03						Lab Sample ID: 480-9139-9			
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	123		1.3	0.32	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: SB04-SS01						Lab Sample ID: 480-9139-10			
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	8.0		1.1	0.27	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: SB04-SS02						Lab Sample ID: 480-9139-11			
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	95.8		1.3	0.31	mg/Kg	1	✱	6010B	Total/NA

Client Sample ID: SB04-SS03						Lab Sample ID: 480-9139-12			
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Detection Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB04-SS03 (Continued)

Lab Sample ID: 480-9139

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	72.7		1.2	0.30	mg/Kg	1	☒	6010B	Total/NA

Client Sample ID: SB05-SS01

Lab Sample ID: 480-9139-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	364		1.2	0.28	mg/Kg	1	☒	6010B	Total/NA

Client Sample ID: SB05-SS02

Lab Sample ID: 480-9139-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	603		1.2	0.28	mg/Kg	1	☒	6010B	Total/NA

Client Sample ID: SB05-SS03

Lab Sample ID: 480-9139-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	345		1.1	0.27	mg/Kg	1	☒	6010B	Total/NA

Client Sample ID: SB06-SS01

Lab Sample ID: 480-9139-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	159		1.0	0.25	mg/Kg	1	☒	6010B	Total/NA

Client Sample ID: SB06-SS02

Lab Sample ID: 480-9139-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	410		1.2	0.28	mg/Kg	1	☒	6010B	Total/NA

Client Sample ID: SB06-SS03

Lab Sample ID: 480-9139-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	67.7		1.4	0.34	mg/Kg	1	☒	6010B	Total/NA

Client Sample ID: SB07-SS01

Lab Sample ID: 480-9139-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	37		5.2	0.32	ug/Kg	1	☒	8260B	Total/NA
Methylene Chloride	4.9	J	5.2	2.4	ug/Kg	1	☒	8260B	Total/NA
Tetrachloroethene	0.94	J	5.2	0.70	ug/Kg	1	☒	8260B	Total/NA
Toluene	1.3	J	5.2	0.40	ug/Kg	1	☒	8260B	Total/NA
Xylenes, Total	3.1	J	10	0.88	ug/Kg	1	☒	8260B	Total/NA

Client Sample ID: SB08-SS01

Lab Sample ID: 480-9139-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18	J	25	4.2	ug/Kg	1	☒	8260B	Total/NA
Chloroform	130		5.0	0.31	ug/Kg	1	☒	8260B	Total/NA
Methylene Chloride	4.3	J	5.0	2.3	ug/Kg	1	☒	8260B	Total/NA
Xylenes, Total	1.1	J	9.9	0.83	ug/Kg	1	☒	8260B	Total/NA

Client Sample ID: SB09-SS01

Lab Sample ID: 480-9139-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	10	J	46	7.7	ug/Kg	1	☒	8260B	Total/NA

Detection Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB09-SS01 (Continued)							Lab Sample ID: 480-9139-21		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	6.3	J	9.2	4.6	ug/Kg	1	*	8260B	Total/NA
Chloroform	270		9.2	0.57	ug/Kg	1	*	8260B	Total/NA
Methylcyclohexane	2.4	J	9.2	1.4	ug/Kg	1	*	8260B	Total/NA
Methylene Chloride	6.1	J	9.2	4.2	ug/Kg	1	*	8260B	Total/NA
Tetrachloroethene	3.4	J	9.2	1.2	ug/Kg	1	*	8260B	Total/NA

Client Sample ID: SB10-SS01							Lab Sample ID: 480-9139-22		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.5	J	30	5.1	ug/Kg	1	*	8260B	Total/NA
Chloroform	200		6.0	0.37	ug/Kg	1	*	8260B	Total/NA
Methylcyclohexane	0.92	J	6.0	0.91	ug/Kg	1	*	8260B	Total/NA
Methylene Chloride	4.7	J	6.0	2.8	ug/Kg	1	*	8260B	Total/NA
Tetrachloroethene	1.4	J	6.0	0.81	ug/Kg	1	*	8260B	Total/NA
Xylenes, Total	21		12	1.0	ug/Kg	1	*	8260B	Total/NA

Client Sample ID: SB11-SS01							Lab Sample ID: 480-9139-23		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	4.3	J	8.7	4.3	ug/Kg	1	*	8260B	Total/NA
Chloroform	870	E	8.7	0.54	ug/Kg	1	*	8260B	Total/NA
Methylene Chloride	7.4	J	8.7	4.0	ug/Kg	1	*	8260B	Total/NA
Tetrachloroethene	4.0	J	8.7	1.2	ug/Kg	1	*	8260B	Total/NA
Chloroform - DL	76000	D	880	600	ug/Kg	4	*	8260B	Total/NA
Ethylbenzene - DL	640	J D	880	250	ug/Kg	4	*	8260B	Total/NA
Methylcyclohexane - DL	2300	D	880	410	ug/Kg	4	*	8260B	Total/NA
Tetrachloroethene - DL	1100	D	880	120	ug/Kg	4	*	8260B	Total/NA
Xylenes, Total - DL	930	J D	1800	150	ug/Kg	4	*	8260B	Total/NA

Client Sample ID: SB12-SS01							Lab Sample ID: 480-9139-24		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	15		4.8	0.30	ug/Kg	1	*	8260B	Total/NA
Methylene Chloride	6.5		4.8	2.2	ug/Kg	1	*	8260B	Total/NA

Client Sample ID: SB12-SS11							Lab Sample ID: 480-9139-25		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	20		5.3	0.32	ug/Kg	1	*	8260B	Total/NA
Methylene Chloride	7.0		5.3	2.4	ug/Kg	1	*	8260B	Total/NA

Client Sample ID: SB13-SS01							Lab Sample ID: 480-9139-26		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	240		7.3	0.45	ug/Kg	1	*	8260B	Total/NA
Ethylbenzene	20		7.3	0.50	ug/Kg	1	*	8260B	Total/NA
Methylcyclohexane	1.4	J	7.3	1.1	ug/Kg	1	*	8260B	Total/NA
Methylene Chloride	76		7.3	3.3	ug/Kg	1	*	8260B	Total/NA
Toluene	22		7.3	0.55	ug/Kg	1	*	8260B	Total/NA
Xylenes, Total	72		15	1.2	ug/Kg	1	*	8260B	Total/NA

Client Sample ID: TB-110830							Lab Sample ID: 480-9139-27		
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Detection Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: TB-110830 (Continued)

Lab Sample ID: 480-9139

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.7		1.0	0.44	ug/L	1		8260B	Total/NA

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB01-SS01

Lab Sample ID: 480-9139-1

Collected: 08/30/11 08:48

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 76.8

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	139		1.4	0.33	mg/Kg	☒	09/01/11 17:30	09/02/11 19:18	1

Client Sample ID: SB01-SS02

Lab Sample ID: 480-9139-2

Date Collected: 08/30/11 08:50

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 75.8

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	247		1.3	0.32	mg/Kg	☒	09/01/11 17:30	09/02/11 19:20	1

Client Sample ID: SB01-SS03

Lab Sample ID: 480-9139-3

Date Collected: 08/30/11 08:52

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 91.2

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	13.9		1.0	0.25	mg/Kg	☒	09/01/11 17:30	09/02/11 19:22	1

Client Sample ID: SB02-SS01

Lab Sample ID: 480-9139-4

Collected: 08/30/11 09:05

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 84.0

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	73.9		1.2	0.29	mg/Kg	☒	09/01/11 17:30	09/02/11 19:24	1

Client Sample ID: SB02-SS02

Lab Sample ID: 480-9139-5

Date Collected: 08/30/11 09:07

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 70.8

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3970		1.3	0.31	mg/Kg	☒	09/01/11 17:30	09/02/11 19:26	1

Client Sample ID: SB02-SS03

Lab Sample ID: 480-9139-6

Date Collected: 08/30/11 09:09

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 81.6

Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	158		1.1	0.27	mg/Kg	☒	09/01/11 17:30	09/02/11 19:28	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB03-SS01

Lab Sample ID: 480-9139-7

Date Collected: 08/30/11 09:19

Matrix: S

Date Received: 08/30/11 17:05

Percent Solids: 88.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	81.6		1.0	0.24	mg/Kg	✱	09/01/11 17:30	09/02/11 19:31	1

Client Sample ID: SB03-SS02

Lab Sample ID: 480-9139-8

Date Collected: 08/30/11 09:21

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 74.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	182		1.4	0.34	mg/Kg	✱	09/01/11 17:30	09/02/11 19:33	1

Client Sample ID: SB03-SS03

Lab Sample ID: 480-9139-9

Date Collected: 08/30/11 09:23

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 77.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	123		1.3	0.32	mg/Kg	✱	09/01/11 17:30	09/02/11 19:35	1

Client Sample ID: SB04-SS01

Lab Sample ID: 480-9139-10

Date Collected: 08/30/11 09:40

Matrix: S

Date Received: 08/30/11 17:05

Percent Solids: 91.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.0		1.1	0.27	mg/Kg	✱	09/01/11 17:30	09/02/11 19:42	1

Client Sample ID: SB04-SS02

Lab Sample ID: 480-9139-11

Date Collected: 08/30/11 09:42

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 75.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	95.8		1.3	0.31	mg/Kg	✱	09/01/11 17:30	09/02/11 19:44	1

Client Sample ID: SB04-SS03

Lab Sample ID: 480-9139-12

Date Collected: 08/30/11 09:44

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 77.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	72.7		1.2	0.30	mg/Kg	✱	09/01/11 17:30	09/02/11 19:55	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB05-SS01

Lab Sample ID: 480-9139-13

Collected: 08/30/11 09:55

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 85.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	364		1.2	0.28	mg/Kg	✱	09/01/11 17:30	09/02/11 19:57	1

Client Sample ID: SB05-SS02

Lab Sample ID: 480-9139-14

Date Collected: 08/30/11 09:57

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 81.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	603		1.2	0.28	mg/Kg	✱	09/01/11 17:30	09/02/11 19:59	1

Client Sample ID: SB05-SS03

Lab Sample ID: 480-9139-15

Date Collected: 08/30/11 09:59

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 83.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	345		1.1	0.27	mg/Kg	✱	09/01/11 17:30	09/02/11 20:02	1

Client Sample ID: SB06-SS01

Lab Sample ID: 480-9139-16

Collected: 08/30/11 10:12

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 96.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	159		1.0	0.25	mg/Kg	✱	09/01/11 17:30	09/02/11 20:08	1

Client Sample ID: SB06-SS02

Lab Sample ID: 480-9139-17

Date Collected: 08/30/11 10:13

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 80.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	410		1.2	0.28	mg/Kg	✱	09/01/11 17:30	09/02/11 20:11	1

Client Sample ID: SB06-SS03

Lab Sample ID: 480-9139-18

Date Collected: 08/30/11 10:15

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 69.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	67.7		1.4	0.34	mg/Kg	✱	09/01/11 17:30	09/02/11 20:13	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB07-SS01

Lab Sample ID: 480-9139-19

Date Collected: 08/30/11 11:15

Matrix: S

Date Received: 08/30/11 17:05

Percent Solids: 96.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.2	U	5.2	0.38	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
1,1,2,2-Tetrachloroethane	5.2	U	5.2	0.85	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
1,1,2-Trichloroethane	5.2	U	5.2	0.68	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U	5.2	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
1,1-Dichloroethane	5.2	U	5.2	0.64	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
1,1-Dichloroethene	5.2	U	5.2	0.64	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
1,2,4-Trichlorobenzene	5.2	U	5.2	0.32	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
1,2-Dibromo-3-Chloropropane	5.2	U	5.2	2.6	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
1,2-Dibromoethane	5.2	U	5.2	0.67	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
1,2-Dichlorobenzene	5.2	U	5.2	0.41	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
1,2-Dichloroethane	5.2	U	5.2	0.26	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
1,2-Dichloropropane	5.2	U	5.2	2.6	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
1,3-Dichlorobenzene	5.2	U	5.2	0.27	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
1,4-Dichlorobenzene	5.2	U	5.2	0.73	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
2-Hexanone	26	U	26	2.6	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
2-Butanone (MEK)	26	U	26	1.9	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
4-Methyl-2-pentanone (MIBK)	26	U	26	1.7	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Acetone	26	U	26	4.4	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Benzene	5.2	U	5.2	0.26	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Bromodichloromethane	5.2	U	5.2	0.70	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Bromoform	5.2	U	5.2	2.6	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Bromomethane	5.2	U	5.2	0.47	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Carbon disulfide	5.2	U	5.2	2.6	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Carbon tetrachloride	5.2	U	5.2	0.51	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Chlorobenzene	5.2	U	5.2	0.69	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Dibromochloromethane	5.2	U	5.2	0.67	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Chloroethane	5.2	U	5.2	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Chloroform	37		5.2	0.32	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Chloromethane	5.2	U	5.2	0.32	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
cis-1,2-Dichloroethene	5.2	U	5.2	0.67	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
cis-1,3-Dichloropropene	5.2	U	5.2	0.76	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Cyclohexane	5.2	U	5.2	0.73	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Dichlorodifluoromethane	5.2	U	5.2	0.43	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Ethylbenzene	5.2	U	5.2	0.36	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Isopropylbenzene	5.2	U	5.2	0.79	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Methyl acetate	5.2	U	5.2	0.98	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Methyl tert-butyl ether	5.2	U	5.2	0.52	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Methylcyclohexane	5.2	U	5.2	0.80	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Methylene Chloride	4.9	J	5.2	2.4	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Styrene	5.2	U	5.2	0.26	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Tetrachloroethene	0.94	J	5.2	0.70	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Toluene	1.3	J	5.2	0.40	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
trans-1,2-Dichloroethene	5.2	U	5.2	0.54	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
trans-1,3-Dichloropropene	5.2	U	5.2	2.3	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Trichloroethene	5.2	U	5.2	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Trichlorofluoromethane	5.2	U	5.2	0.50	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Vinyl chloride	5.2	U	5.2	0.64	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1
Xylenes, Total	3.1	J	10	0.88	ug/Kg	*	08/31/11 10:10	08/31/11 15:20	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB07-SS01

Lab Sample ID: 480-9139-19

Collected: 08/30/11 11:15

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 96.6

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		64 - 126	08/31/11 10:10	08/31/11 15:20	1
Toluene-d8 (Surr)	93		71 - 125	08/31/11 10:10	08/31/11 15:20	1
4-Bromofluorobenzene (Surr)	92		72 - 126	08/31/11 10:10	08/31/11 15:20	1

Client Sample ID: SB08-SS01

Lab Sample ID: 480-9139-20

Date Collected: 08/30/11 11:50

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 88.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
1,1,1,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
2-Hexanone	25	U	25	2.5	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Acetone	18	J	25	4.2	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Benzene	5.0	U	5.0	0.24	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Bromoform	5.0	U	5.0	2.5	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Chloroform	130		5.0	0.31	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.71	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Ethylbenzene	5.0	U	5.0	0.34	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Methyl acetate	5.0	U	5.0	0.92	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Methylcyclohexane	5.0	U	5.0	0.75	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Methylene Chloride	4.3	J	5.0	2.3	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Styrene	5.0	U	5.0	0.25	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB08-SS01

Lab Sample ID: 480-9139-20

Date Collected: 08/30/11 11:50

Matrix: S

Date Received: 08/30/11 17:05

Percent Solids: 88.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Toluene	5.0	U	5.0	0.38	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.51	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Xylenes, Total	1.1	J	9.9	0.83	ug/Kg	*	08/31/11 10:10	08/31/11 15:45	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		64 - 126				08/31/11 10:10	08/31/11 15:45	1
Toluene-d8 (Surr)	91		71 - 125				08/31/11 10:10	08/31/11 15:45	1
4-Bromofluorobenzene (Surr)	90		72 - 126				08/31/11 10:10	08/31/11 15:45	1

Client Sample ID: SB09-SS01

Lab Sample ID: 480-9139-21

Date Collected: 08/30/11 12:05

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 85.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	9.2	U	9.2	0.66	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
1,1,2,2-Tetrachloroethane	9.2	U	9.2	1.5	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
1,1,2-Trichloroethane	9.2	U	9.2	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	9.2	U	9.2	2.1	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
1,1-Dichloroethane	9.2	U	9.2	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
1,1-Dichloroethene	9.2	U	9.2	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
1,2,4-Trichlorobenzene	9.2	U	9.2	0.56	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
1,2-Dibromo-3-Chloropropane	9.2	U	9.2	4.6	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
1,2-Dibromoethane	9.2	U	9.2	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
1,2-Dichlorobenzene	9.2	U	9.2	0.72	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
1,2-Dichloroethane	9.2	U	9.2	0.46	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
1,2-Dichloropropane	9.2	U	9.2	4.6	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
1,3-Dichlorobenzene	9.2	U	9.2	0.47	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
1,4-Dichlorobenzene	9.2	U	9.2	1.3	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
2-Hexanone	46	U	46	4.6	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
2-Butanone (MEK)	46	U	46	3.3	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
4-Methyl-2-pentanone (MIBK)	46	U	46	3.0	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Acetone	10	J	46	7.7	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Benzene	9.2	U	9.2	0.45	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Bromodichloromethane	9.2	U	9.2	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Bromoform	9.2	U	9.2	4.6	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Bromomethane	9.2	U	9.2	0.82	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Carbon disulfide	6.3	J	9.2	4.6	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Carbon tetrachloride	9.2	U	9.2	0.89	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Chlorobenzene	9.2	U	9.2	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Dibromochloromethane	9.2	U	9.2	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Chloroethane	9.2	U	9.2	2.1	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Chloroform	270		9.2	0.57	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Chloromethane	9.2	U	9.2	0.55	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
cis-1,2-Dichloroethene	9.2	U	9.2	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB09-SS01

Lab Sample ID: 480-9139-21

Collected: 08/30/11 12:05

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 85.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	9.2	U	9.2	1.3	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Cyclohexane	9.2	U	9.2	1.3	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Dichlorodifluoromethane	9.2	U	9.2	0.76	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Ethylbenzene	9.2	U	9.2	0.63	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Isopropylbenzene	9.2	U	9.2	1.4	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Methyl acetate	9.2	U	9.2	1.7	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Methyl tert-butyl ether	9.2	U	9.2	0.90	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Methylcyclohexane	2.4	J	9.2	1.4	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Methylene Chloride	6.1	J	9.2	4.2	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Styrene	9.2	U	9.2	0.46	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Tetrachloroethene	3.4	J	9.2	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Toluene	9.2	U	9.2	0.69	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
trans-1,2-Dichloroethene	9.2	U	9.2	0.94	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
trans-1,3-Dichloropropene	9.2	U	9.2	4.0	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Trichloroethene	9.2	U	9.2	2.0	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Trichlorofluoromethane	9.2	U	9.2	0.87	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Vinyl chloride	9.2	U	9.2	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1
Xylenes, Total	18	U	18	1.5	ug/Kg	*	08/31/11 10:10	08/31/11 16:11	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dichloroethane-d4 (Surr)	93		64 - 126	08/31/11 10:10	08/31/11 16:11	1
Toluene-d8 (Surr)	106		71 - 125	08/31/11 10:10	08/31/11 16:11	1
4-Bromofluorobenzene (Surr)	75		72 - 126	08/31/11 10:10	08/31/11 16:11	1

Client Sample ID: SB10-SS01

Lab Sample ID: 480-9139-22

Date Collected: 08/30/11 12:20

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 86.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.0	U	6.0	0.44	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
1,1,2,2-Tetrachloroethane	6.0	U	6.0	0.98	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
1,1,2-Trichloroethane	6.0	U	6.0	0.78	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	U	6.0	1.4	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
1,1-Dichloroethane	6.0	U	6.0	0.73	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
1,1-Dichloroethene	6.0	U	6.0	0.74	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
1,2,4-Trichlorobenzene	6.0	U	6.0	0.37	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
1,2-Dibromo-3-Chloropropane	6.0	U	6.0	3.0	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
1,2-Dibromoethane	6.0	U	6.0	0.77	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
1,2-Dichlorobenzene	6.0	U	6.0	0.47	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
1,2-Dichloroethane	6.0	U	6.0	0.30	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
1,2-Dichloropropane	6.0	U	6.0	3.0	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
1,3-Dichlorobenzene	6.0	U	6.0	0.31	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
1,4-Dichlorobenzene	6.0	U	6.0	0.84	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
2-Hexanone	30	U	30	3.0	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
2-Butanone (MEK)	30	U	30	2.2	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Methyl-2-pentanone (MIBK)	30	U	30	2.0	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Acetone	9.5	J	30	5.1	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Benzene	6.0	U	6.0	0.29	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Bromodichloromethane	6.0	U	6.0	0.81	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB10-SS01

Lab Sample ID: 480-9139-22

Date Collected: 08/30/11 12:20

Matrix: S

Date Received: 08/30/11 17:05

Percent Solids: 86.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	6.0	U	6.0	3.0	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Bromomethane	6.0	U	6.0	0.54	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Carbon disulfide	6.0	U	6.0	3.0	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Carbon tetrachloride	6.0	U	6.0	0.58	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Chlorobenzene	6.0	U	6.0	0.79	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Dibromochloromethane	6.0	U	6.0	0.77	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Chloroethane	6.0	U	6.0	1.4	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Chloroform	200		6.0	0.37	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Chloromethane	6.0	U	6.0	0.36	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
cis-1,2-Dichloroethene	6.0	U	6.0	0.77	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
cis-1,3-Dichloropropene	6.0	U	6.0	0.87	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Cyclohexane	6.0	U	6.0	0.84	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Dichlorodifluoromethane	6.0	U	6.0	0.50	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Ethylbenzene	6.0	U	6.0	0.41	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Isopropylbenzene	6.0	U	6.0	0.91	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Methyl acetate	6.0	U	6.0	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Methyl tert-butyl ether	6.0	U	6.0	0.59	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Methylcyclohexane	0.92	J	6.0	0.91	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Methylene Chloride	4.7	J	6.0	2.8	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Styrene	6.0	U	6.0	0.30	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Tetrachloroethene	1.4	J	6.0	0.81	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Toluene	6.0	U	6.0	0.45	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
trans-1,2-Dichloroethene	6.0	U	6.0	0.62	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
trans-1,3-Dichloropropene	6.0	U	6.0	2.6	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Trichloroethene	6.0	U	6.0	1.3	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Trichlorofluoromethane	6.0	U	6.0	0.57	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Vinyl chloride	6.0	U	6.0	0.73	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1
Xylenes, Total	21		12	1.0	ug/Kg	*	08/31/11 10:10	08/31/11 16:37	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		64 - 126	08/31/11 10:10	08/31/11 16:37	1
Toluene-d8 (Surr)	105		71 - 125	08/31/11 10:10	08/31/11 16:37	1
4-Bromofluorobenzene (Sum)	79		72 - 126	08/31/11 10:10	08/31/11 16:37	1

Client Sample ID: SB11-SS01

Lab Sample ID: 480-9139-23

Date Collected: 08/30/11 12:35

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 81.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	8.7	U	8.7	0.63	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
1,1,1,2-Tetrachloroethane	8.7	U	8.7	1.4	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
1,1,2-Trichloroethane	8.7	U	8.7	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	8.7	U	8.7	2.0	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
1,1-Dichloroethane	8.7	U	8.7	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
1,1-Dichloroethene	8.7	U	8.7	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
1,2,4-Trichlorobenzene	8.7	U	8.7	0.53	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
1,2-Dibromo-3-Chloropropane	8.7	U	8.7	4.3	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
1,2-Dibromoethane	8.7	U	8.7	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
1,2-Dichlorobenzene	8.7	U	8.7	0.68	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB11-SS01

Lab Sample ID: 480-9139-23

Collected: 08/30/11 12:35

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 81.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	8.7	U	8.7	0.44	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
1,2-Dichloropropane	8.7	U	8.7	4.3	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
1,3-Dichlorobenzene	8.7	U	8.7	0.45	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
1,4-Dichlorobenzene	8.7	U	8.7	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
2-Hexanone	43	U	43	4.3	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
2-Butanone (MEK)	43	U	43	3.2	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
4-Methyl-2-pentanone (MIBK)	43	U	43	2.9	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Acetone	43	U	43	7.3	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Benzene	8.7	U	8.7	0.43	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Bromodichloromethane	8.7	U	8.7	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Bromoform	8.7	U	8.7	4.3	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Bromomethane	8.7	U	8.7	0.78	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Carbon disulfide	4.3	J	8.7	4.3	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Carbon tetrachloride	8.7	U	8.7	0.84	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Chlorobenzene	8.7	U	8.7	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Dibromochloromethane	8.7	U	8.7	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Chloroethane	8.7	U	8.7	2.0	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Chloroform	870	E	8.7	0.54	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Chloromethane	8.7	U	8.7	0.53	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
cis-1,2-Dichloroethene	8.7	U	8.7	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
1,3-Dichloropropene	8.7	U	8.7	1.3	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Cyclohexane	8.7	U	8.7	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Dichlorodifluoromethane	8.7	U	8.7	0.72	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Ethylbenzene	8.7	U	8.7	0.60	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Isopropylbenzene	8.7	U	8.7	1.3	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Methyl acetate	8.7	U	8.7	1.6	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Methyl tert-butyl ether	8.7	U	8.7	0.85	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Methylcyclohexane	8.7	U	8.7	1.3	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Methylene Chloride	7.4	J	8.7	4.0	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Styrene	8.7	U	8.7	0.43	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Tetrachloroethene	4.0	J	8.7	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Toluene	8.7	U	8.7	0.66	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
trans-1,2-Dichloroethene	8.7	U	8.7	0.90	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
trans-1,3-Dichloropropene	8.7	U	8.7	3.8	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Trichloroethene	8.7	U	8.7	1.9	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Trichlorofluoromethane	8.7	U	8.7	0.82	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Vinyl chloride	8.7	U	8.7	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1
Xylenes, Total	17	U	17	1.5	ug/Kg	*	08/31/11 10:10	08/31/11 17:02	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		64 - 126	08/31/11 10:10	08/31/11 17:02	1
Toluene-d8 (Surr)	100		71 - 125	08/31/11 10:10	08/31/11 17:02	1
4-Bromofluorobenzene (Surr)	86		72 - 126	08/31/11 10:10	08/31/11 17:02	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	880	U	880	240	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
2,2-Tetrachloroethane	880	U	880	140	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
1,1,2-Trichloroethane	880	U	880	180	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
1,1,2-Trichloro-1,2,2-trifluoroethane	880	U	880	440	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
1,1-Dichloroethane	880	U	880	270	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB11-SS01

Lab Sample ID: 480-9139-23

Date Collected: 08/30/11 12:35

Matrix: S

Date Received: 08/30/11 17:05

Percent Solids: 81.0

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	880	U	880	300	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
1,2,4-Trichlorobenzene	880	U	880	330	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
1,2-Dibromo-3-Chloropropane	880	U	880	440	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
1,2-Dibromoethane	880	U	880	33	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
1,2-Dichlorobenzene	880	U	880	220	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
1,2-Dichloroethane	880	U	880	360	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
1,2-Dichloropropane	880	U	880	140	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
1,3-Dichlorobenzene	880	U	880	230	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
1,4-Dichlorobenzene	880	U	880	120	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
2-Hexanone	4400	U	4400	1800	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
2-Butanone (MEK)	4400	U	4400	2600	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
4-Methyl-2-pentanone (MIBK)	4400	U	4400	280	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Acetone	4400	U	4400	3600	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Benzene	880	U	880	42	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Bromodichloromethane	880	U	880	180	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Bromoform	880	U	880	440	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Bromomethane	880	U	880	190	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Carbon disulfide	880	U	880	400	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Carbon tetrachloride	880	U	880	220	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Chlorobenzene	880	U	880	120	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Dibromochloromethane	880	U	880	420	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Chloroethane	880	U	880	180	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Chloroform	76000	D	880	600	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Chloromethane	880	U	880	210	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
cis-1,2-Dichloroethene	880	U	880	240	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
cis-1,3-Dichloropropene	880	U	880	210	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Cyclohexane	880	U	880	190	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Dichlorodifluoromethane	880	U	880	380	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Ethylbenzene	640	J D	880	250	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Isopropylbenzene	880	U	880	130	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Methyl acetate	880	U	880	420	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Methyl tert-butyl ether	880	U	880	330	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Methylcyclohexane	2300	D	880	410	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Methylene Chloride	880	U	880	170	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Styrene	880	U	880	210	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Tetrachloroethene	1100	D	880	120	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Toluene	880	U	880	230	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
trans-1,2-Dichloroethene	880	U	880	210	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
trans-1,3-Dichloropropene	880	U	880	42	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Trichloroethene	880	U	880	240	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Trichlorofluoromethane	880	U	880	410	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Vinyl chloride	880	U	880	290	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Xylenes, Total	930	J D	1800	150	ug/Kg	*	09/01/11 01:02	09/01/11 14:42	4
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105	D	53 - 146				09/01/11 01:02	09/01/11 14:42	4
Toluene-d8 (Surr)	103	D	50 - 149				09/01/11 01:02	09/01/11 14:42	4
4-Bromofluorobenzene (Surr)	102	D	49 - 148				09/01/11 01:02	09/01/11 14:42	4

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB12-SS01

Lab Sample ID: 480-9139-24

Collected: 08/30/11 12:57

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 88.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.8	U	4.8	0.35	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
1,1,2,2-Tetrachloroethane	4.8	U	4.8	0.78	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
1,1,2-Trichloroethane	4.8	U	4.8	0.62	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.8	U	4.8	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
1,1-Dichloroethane	4.8	U	4.8	0.58	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
1,1-Dichloroethene	4.8	U	4.8	0.59	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
1,2,4-Trichlorobenzene	4.8	U	4.8	0.29	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
1,2-Dibromo-3-Chloropropane	4.8	U	4.8	2.4	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
1,2-Dibromoethane	4.8	U	4.8	0.62	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
1,2-Dichlorobenzene	4.8	U	4.8	0.37	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
1,2-Dichloroethane	4.8	U	4.8	0.24	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
1,2-Dichloropropane	4.8	U	4.8	2.4	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
1,3-Dichlorobenzene	4.8	U	4.8	0.25	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
1,4-Dichlorobenzene	4.8	U	4.8	0.67	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
2-Hexanone	24	U	24	2.4	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
2-Butanone (MEK)	24	U	24	1.8	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Acetone	24	U	24	4.0	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Benzene	4.8	U	4.8	0.23	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Bromodichloromethane	4.8	U	4.8	0.64	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Chloroform	4.8	U	4.8	2.4	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Chloromethane	4.8	U	4.8	0.43	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Carbon disulfide	4.8	U	4.8	2.4	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Carbon tetrachloride	4.8	U	4.8	0.46	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Chlorobenzene	4.8	U	4.8	0.63	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Dibromochloromethane	4.8	U	4.8	0.61	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Chloroethane	4.8	U	4.8	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Chloroform	15		4.8	0.30	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Chloromethane	4.8	U	4.8	0.29	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
cis-1,2-Dichloroethene	4.8	U	4.8	0.61	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
cis-1,3-Dichloropropene	4.8	U	4.8	0.69	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Cyclohexane	4.8	U	4.8	0.67	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Dichlorodifluoromethane	4.8	U	4.8	0.40	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Ethylbenzene	4.8	U	4.8	0.33	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Isopropylbenzene	4.8	U	4.8	0.72	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Methyl acetate	4.8	U	4.8	0.89	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Methyl tert-butyl ether	4.8	U	4.8	0.47	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Methylcyclohexane	4.8	U	4.8	0.73	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Methylene Chloride	6.5		4.8	2.2	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Styrene	4.8	U	4.8	0.24	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Tetrachloroethene	4.8	U	4.8	0.64	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Toluene	4.8	U	4.8	0.36	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
trans-1,2-Dichloroethene	4.8	U	4.8	0.49	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
trans-1,3-Dichloropropene	4.8	U	4.8	2.1	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Trichloroethene	4.8	U	4.8	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Trichlorofluoromethane	4.8	U	4.8	0.45	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Vinyl chloride	4.8	U	4.8	0.58	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1
Hydrocarbons, Total	9.6	U	9.6	0.80	ug/Kg	*	08/31/11 10:10	08/31/11 17:28	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB12-SS01

Lab Sample ID: 480-9139-24

Date Collected: 08/30/11 12:57

Matrix: S

Date Received: 08/30/11 17:05

Percent Solids: 88.1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		64 - 126	08/31/11 10:10	08/31/11 17:28	1
Toluene-d8 (Surr)	94		71 - 125	08/31/11 10:10	08/31/11 17:28	1
4-Bromofluorobenzene (Surr)	94		72 - 126	08/31/11 10:10	08/31/11 17:28	1

Client Sample ID: SB12-SS11

Lab Sample ID: 480-9139-25

Date Collected: 08/30/11 12:57

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 86.6

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.3	U	5.3	0.38	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
1,1,2,2-Tetrachloroethane	5.3	U	5.3	0.85	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
1,1,2-Trichloroethane	5.3	U	5.3	0.68	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U	5.3	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
1,1-Dichloroethane	5.3	U	5.3	0.64	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
1,1-Dichloroethene	5.3	U	5.3	0.64	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
1,2,4-Trichlorobenzene	5.3	U	5.3	0.32	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
1,2-Dibromo-3-Chloropropane	5.3	U	5.3	2.6	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
1,2-Dibromoethane	5.3	U	5.3	0.67	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
1,2-Dichlorobenzene	5.3	U	5.3	0.41	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
1,2-Dichloroethane	5.3	U	5.3	0.26	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
1,2-Dichloropropane	5.3	U	5.3	2.6	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
1,3-Dichlorobenzene	5.3	U	5.3	0.27	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
1,4-Dichlorobenzene	5.3	U	5.3	0.74	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
2-Hexanone	26	U	26	2.6	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
2-Butanone (MEK)	26	U	26	1.9	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
4-Methyl-2-pentanone (MIBK)	26	U	26	1.7	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Acetone	26	U	26	4.4	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Benzene	5.3	U	5.3	0.26	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Bromodichloromethane	5.3	U	5.3	0.70	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Bromoform	5.3	U	5.3	2.6	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Bromomethane	5.3	U	5.3	0.47	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Carbon disulfide	5.3	U	5.3	2.6	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Carbon tetrachloride	5.3	U	5.3	0.51	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Chlorobenzene	5.3	U	5.3	0.69	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Dibromochloromethane	5.3	U	5.3	0.67	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Chloroethane	5.3	U	5.3	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Chloroform	20		5.3	0.32	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Chloromethane	5.3	U	5.3	0.32	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
cis-1,2-Dichloroethene	5.3	U	5.3	0.67	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
cis-1,3-Dichloropropene	5.3	U	5.3	0.76	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Cyclohexane	5.3	U	5.3	0.74	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Dichlorodifluoromethane	5.3	U	5.3	0.43	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Ethylbenzene	5.3	U	5.3	0.36	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Isopropylbenzene	5.3	U	5.3	0.79	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Methyl acetate	5.3	U	5.3	0.98	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Methyl tert-butyl ether	5.3	U	5.3	0.52	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Methylcyclohexane	5.3	U	5.3	0.80	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Methylene Chloride	7.0		5.3	2.4	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Styrene	5.3	U	5.3	0.26	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB12-SS11

Lab Sample ID: 480-9139-25

Collected: 08/30/11 12:57

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 86.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	5.3	U	5.3	0.70	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Toluene	5.3	U	5.3	0.40	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
trans-1,2-Dichloroethene	5.3	U	5.3	0.54	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
trans-1,3-Dichloropropene	5.3	U	5.3	2.3	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Trichloroethene	5.3	U	5.3	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Trichlorofluoromethane	5.3	U	5.3	0.50	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Vinyl chloride	5.3	U	5.3	0.64	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Xylenes, Total	11	U	11	0.88	ug/Kg	*	08/31/11 10:10	08/31/11 17:53	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		64 - 126				08/31/11 10:10	08/31/11 17:53	1
Toluene-d8 (Surr)	96		71 - 125				08/31/11 10:10	08/31/11 17:53	1
4-Bromofluorobenzene (Surr)	94		72 - 126				08/31/11 10:10	08/31/11 17:53	1

Client Sample ID: SB13-SS01

Lab Sample ID: 480-9139-26

Date Collected: 08/30/11 13:20

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 78.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Trichloroethane	7.3	U	7.3	0.53	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
1,1,2,2-Tetrachloroethane	7.3	U	7.3	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
1,1,2-Trichloroethane	7.3	U	7.3	0.94	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	7.3	U	7.3	1.7	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
1,1-Dichloroethane	7.3	U	7.3	0.89	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
1,1-Dichloroethene	7.3	U	7.3	0.89	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
1,2,4-Trichlorobenzene	7.3	U	7.3	0.44	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
1,2-Dibromo-3-Chloropropane	7.3	U	7.3	3.6	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
1,2-Dibromoethane	7.3	U	7.3	0.93	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
1,2-Dichlorobenzene	7.3	U	7.3	0.57	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
1,2-Dichloroethane	7.3	U	7.3	0.36	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
1,2-Dichloropropane	7.3	U	7.3	3.6	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
1,3-Dichlorobenzene	7.3	U	7.3	0.37	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
1,4-Dichlorobenzene	7.3	U	7.3	1.0	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
2-Hexanone	36	U	36	3.6	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
2-Butanone (MEK)	36	U	36	2.7	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
4-Methyl-2-pentanone (MIBK)	36	U	36	2.4	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Acetone	36	U	36	6.1	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Benzene	7.3	U	7.3	0.36	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Bromodichloromethane	7.3	U	7.3	0.97	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Bromoform	7.3	U	7.3	3.6	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Bromomethane	7.3	U	7.3	0.65	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Carbon disulfide	7.3	U	7.3	3.6	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Carbon tetrachloride	7.3	U	7.3	0.70	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Chlorobenzene	7.3	U	7.3	0.96	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Dibromochloromethane	7.3	U	7.3	0.93	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Dibromomethane	7.3	U	7.3	1.6	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
1-Chloroform	240		7.3	0.45	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Chloromethane	7.3	U	7.3	0.44	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
cis-1,2-Dichloroethene	7.3	U	7.3	0.93	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB13-SS01

Lab Sample ID: 480-9139-26

Date Collected: 08/30/11 13:20

Matrix: S

Date Received: 08/30/11 17:05

Percent Solids: 78.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	7.3	U	7.3	1.0	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Cyclohexane	7.3	U	7.3	1.0	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Dichlorodifluoromethane	7.3	U	7.3	0.60	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Ethylbenzene	20		7.3	0.50	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Isopropylbenzene	7.3	U	7.3	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Methyl acetate	7.3	U	7.3	1.4	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Methyl tert-butyl ether	7.3	U	7.3	0.71	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Methylcyclohexane	1.4	J	7.3	1.1	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Methylene Chloride	76		7.3	3.3	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Styrene	7.3	U	7.3	0.36	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Tetrachloroethene	7.3	U	7.3	0.97	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Toluene	22		7.3	0.55	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
trans-1,2-Dichloroethene	7.3	U	7.3	0.75	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
trans-1,3-Dichloropropene	7.3	U	7.3	3.2	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Trichloroethene	7.3	U	7.3	1.6	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Trichlorofluoromethane	7.3	U	7.3	0.69	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Vinyl chloride	7.3	U	7.3	0.89	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1
Xylenes, Total	72		15	1.2	ug/Kg	*	08/31/11 10:10	08/31/11 18:19	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		64 - 126	08/31/11 10:10	08/31/11 18:19	
Toluene-d8 (Surr)	105		71 - 125	08/31/11 10:10	08/31/11 18:19	
4-Bromofluorobenzene (Surr)	80		72 - 126	08/31/11 10:10	08/31/11 18:19	1

Client Sample ID: TB-110830

Lab Sample ID: 480-9139-27

Date Collected: 08/30/11 13:50

Matrix: Water

Date Received: 08/30/11 17:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/31/11 18:44	1
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			08/31/11 20:07	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/31/11 18:44	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			08/31/11 20:07	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/31/11 18:44	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			08/31/11 20:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/31/11 18:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/31/11 20:07	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/31/11 18:44	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			08/31/11 20:07	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/31/11 18:44	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			08/31/11 20:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/31/11 18:44	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			08/31/11 20:07	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/31/11 18:44	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			08/31/11 20:07	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/31/11 18:44	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			08/31/11 20:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/31/11 18:44	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			08/31/11 20:07	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: TB-110830

Lab Sample ID: 480-9139-27

Collected: 08/30/11 13:50

Matrix: Water

Date Received: 08/30/11 17:05

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/31/11 18:44	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			08/31/11 20:07	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/31/11 18:44	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			08/31/11 20:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/31/11 18:44	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			08/31/11 20:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/31/11 18:44	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			08/31/11 20:07	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/31/11 18:44	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			08/31/11 20:07	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/31/11 18:44	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			08/31/11 20:07	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/31/11 18:44	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/31/11 20:07	1
Acetone	10	U	10	3.0	ug/L			08/31/11 18:44	1
Acetone	10	U	10	3.0	ug/L			08/31/11 20:07	1
Benzene	1.0	U	1.0	0.41	ug/L			08/31/11 18:44	1
Benzene	1.0	U	1.0	0.41	ug/L			08/31/11 20:07	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/31/11 18:44	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/31/11 20:07	1
Chloroform	1.0	U	1.0	0.26	ug/L			08/31/11 18:44	1
Chloroform	1.0	U	1.0	0.26	ug/L			08/31/11 20:07	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/31/11 18:44	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/31/11 20:07	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/31/11 18:44	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/31/11 20:07	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/31/11 18:44	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/31/11 20:07	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/31/11 18:44	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/31/11 20:07	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/31/11 18:44	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/31/11 20:07	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/31/11 18:44	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/31/11 20:07	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/31/11 18:44	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/31/11 20:07	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/31/11 18:44	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/31/11 20:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/31/11 18:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/31/11 20:07	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/31/11 18:44	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/31/11 20:07	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/31/11 18:44	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/31/11 20:07	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/31/11 18:44	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/31/11 20:07	1
p-Tolylbenzene	1.0	U	1.0	0.74	ug/L			08/31/11 18:44	1
p-Tolylbenzene	1.0	U	1.0	0.74	ug/L			08/31/11 20:07	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/31/11 18:44	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/31/11 20:07	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: TB-110830

Lab Sample ID: 480-9139-27

Date Collected: 08/30/11 13:50

Matrix: W

Date Received: 08/30/11 17:05

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	1.0	U	1.0	0.50	ug/L			08/31/11 18:44	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			08/31/11 20:07	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/31/11 18:44	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/31/11 20:07	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/31/11 18:44	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/31/11 20:07	1
Methylene Chloride	3.7		1.0	0.44	ug/L			08/31/11 18:44	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/31/11 20:07	1
Styrene	1.0	U	1.0	0.73	ug/L			08/31/11 18:44	1
Styrene	1.0	U	1.0	0.73	ug/L			08/31/11 20:07	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/31/11 18:44	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/31/11 20:07	1
Toluene	1.0	U	1.0	0.51	ug/L			08/31/11 18:44	1
Toluene	1.0	U	1.0	0.51	ug/L			08/31/11 20:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/31/11 18:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/31/11 20:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/31/11 18:44	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/31/11 20:07	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/31/11 18:44	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/31/11 20:07	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/31/11 18:44	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/31/11 20:07	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/31/11 18:44	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/31/11 20:07	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/31/11 18:44	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/31/11 20:07	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 - 137		08/31/11 18:44	1
1,2-Dichloroethane-d4 (Surr)	110		66 - 137		08/31/11 20:07	1
Toluene-d8 (Surr)	99		71 - 126		08/31/11 18:44	1
Toluene-d8 (Surr)	101		71 - 126		08/31/11 20:07	1
4-Bromofluorobenzene (Surr)	99		73 - 120		08/31/11 18:44	1
4-Bromofluorobenzene (Surr)	91		73 - 120		08/31/11 20:07	1

Surrogate Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (64-126)	TOL (71-125)	BFB (72-126)
480-9139-19	SB07-SS01	86	93	92
480-9139-20	SB08-SS01	86	91	90
480-9139-21	SB09-SS01	93	106	75
480-9139-22	SB10-SS01	93	105	79
480-9139-23	SB11-SS01	90	100	86
480-9139-24	SB12-SS01	91	94	94
480-9139-25	SB12-SS11	92	96	94
480-9139-26	SB13-SS01	93	105	80
LCS 480-29571/4	Lab Control Sample	88	98	104

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (53-146)	TOL (50-149)	BFB (49-148)
480-9139-23 - DL	SB11-SS01	105 D	103 D	102 D
LCS 480-29597/1-A	Lab Control Sample	106	108	110
MB 480-29597/2-A	Method Blank	110	114	110

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-9139-27	TB-110830	95	99	99
480-9139-27	TB-110830	110	101	91
LCS 480-29577/4	Lab Control Sample	110	101	96
MB 480-29577/5	Method Blank	110	102	91

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	12DCE (64-126)	TOL (71-125)	BFB (72-126)
MB 480-29571/13	Method Blank	85	96	96

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-29571/13

Matrix: Water

Analysis Batch: 29571

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg			08/31/11 11:42	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg			08/31/11 11:42	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg			08/31/11 11:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg			08/31/11 11:42	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg			08/31/11 11:42	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg			08/31/11 11:42	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg			08/31/11 11:42	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg			08/31/11 11:42	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg			08/31/11 11:42	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg			08/31/11 11:42	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg			08/31/11 11:42	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg			08/31/11 11:42	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg			08/31/11 11:42	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg			08/31/11 11:42	1
2-Hexanone	25	U	25	2.5	ug/Kg			08/31/11 11:42	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg			08/31/11 11:42	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg			08/31/11 11:42	1
Acetone	25	U	25	4.2	ug/Kg			08/31/11 11:42	1
Benzene	5.0	U	5.0	0.25	ug/Kg			08/31/11 11:42	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg			08/31/11 11:42	1
Bromoform	5.0	U	5.0	2.5	ug/Kg			08/31/11 11:42	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg			08/31/11 11:42	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg			08/31/11 11:42	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg			08/31/11 11:42	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg			08/31/11 11:42	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg			08/31/11 11:42	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg			08/31/11 11:42	1
Chloroform	5.0	U	5.0	0.31	ug/Kg			08/31/11 11:42	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg			08/31/11 11:42	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg			08/31/11 11:42	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg			08/31/11 11:42	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg			08/31/11 11:42	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg			08/31/11 11:42	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg			08/31/11 11:42	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg			08/31/11 11:42	1
Methyl acetate	5.0	U	5.0	0.93	ug/Kg			08/31/11 11:42	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg			08/31/11 11:42	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg			08/31/11 11:42	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg			08/31/11 11:42	1
Styrene	5.0	U	5.0	0.25	ug/Kg			08/31/11 11:42	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg			08/31/11 11:42	1
Toluene	5.0	U	5.0	0.38	ug/Kg			08/31/11 11:42	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg			08/31/11 11:42	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg			08/31/11 11:42	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg			08/31/11 11:42	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg			08/31/11 11:42	1
Ull chloride	5.0	U	5.0	0.61	ug/Kg			08/31/11 11:42	1
Xylenes, Total	10	U	10	0.84	ug/Kg			08/31/11 11:42	1

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-29571/13
Matrix: Water
Analysis Batch: 29571

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB MB % Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		64 - 126		08/31/11 11:42	1
Toluene-d8 (Surr)	96		71 - 125		08/31/11 11:42	1
4-Bromofluorobenzene (Surr)	96		72 - 126		08/31/11 11:42	1

Lab Sample ID: LCS 480-29571/4
Matrix: Solid
Analysis Batch: 29571

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS LCS Result Qualifier	Unit	D	% Rec	% Rec. Limits
1,1-Dichloroethane	50.0	51.5	ug/Kg		103	79 - 126
1,1-Dichloroethene	50.0	49.2	ug/Kg		98	65 - 153
1,2-Dichlorobenzene	50.0	51.7	ug/Kg		103	75 - 120
1,2-Dichloroethane	50.0	51.0	ug/Kg		102	77 - 122
Benzene	50.0	53.3	ug/Kg		107	79 - 127
Chlorobenzene	50.0	55.3	ug/Kg		111	76 - 124
cis-1,2-Dichloroethene	50.0	51.2	ug/Kg		102	81 - 117
Ethylbenzene	50.0	53.8	ug/Kg		108	80 - 120
Methyl tert-butyl ether	50.0	51.0	ug/Kg		102	63 - 125
Tetrachloroethene	50.0	51.3	ug/Kg		103	74 - 122
Toluene	50.0	51.3	ug/Kg		103	74 - 128
trans-1,2-Dichloroethene	50.0	52.2	ug/Kg		104	78 - 126
Trichloroethene	50.0	51.4	ug/Kg		103	77 - 129

Surrogate	LCS LCS % Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		64 - 126
Toluene-d8 (Surr)	98		71 - 125
4-Bromofluorobenzene (Surr)	104		72 - 126

Lab Sample ID: MB 480-29577/5
Matrix: Water
Analysis Batch: 29577

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0 U	1.0	0.82	ug/L			08/31/11 11:53	1
1,1,2,2-Tetrachloroethane	1.0 U	1.0	0.21	ug/L			08/31/11 11:53	1
1,1,2-Trichloroethane	1.0 U	1.0	0.23	ug/L			08/31/11 11:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	1.0	0.31	ug/L			08/31/11 11:53	1
1,1-Dichloroethane	1.0 U	1.0	0.38	ug/L			08/31/11 11:53	1
1,1-Dichloroethene	1.0 U	1.0	0.29	ug/L			08/31/11 11:53	1
1,2,4-Trichlorobenzene	1.0 U	1.0	0.41	ug/L			08/31/11 11:53	1
1,2-Dibromo-3-Chloropropane	1.0 U	1.0	0.39	ug/L			08/31/11 11:53	1
1,2-Dibromoethane	1.0 U	1.0	0.73	ug/L			08/31/11 11:53	1
1,2-Dichlorobenzene	1.0 U	1.0	0.79	ug/L			08/31/11 11:53	1
1,2-Dichloroethane	1.0 U	1.0	0.21	ug/L			08/31/11 11:53	1
1,2-Dichloropropane	1.0 U	1.0	0.72	ug/L			08/31/11 11:53	1
1,3-Dichlorobenzene	1.0 U	1.0	0.78	ug/L			08/31/11 11:53	1
1,4-Dichlorobenzene	1.0 U	1.0	0.84	ug/L			08/31/11 11:53	1
2-Hexanone	5.0 U	5.0	1.2	ug/L			08/31/11 11:53	1
2-Butanone (MEK)	10 U	10	1.3	ug/L			08/31/11 11:53	1

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-29577/5

Matrix: Water

Analysis Batch: 29577

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			08/31/11 11:53	1
Acetone	10	U	10	3.0	ug/L			08/31/11 11:53	1
Benzene	1.0	U	1.0	0.41	ug/L			08/31/11 11:53	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			08/31/11 11:53	1
Bromoform	1.0	U	1.0	0.26	ug/L			08/31/11 11:53	1
Bromomethane	1.0	U	1.0	0.69	ug/L			08/31/11 11:53	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			08/31/11 11:53	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			08/31/11 11:53	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			08/31/11 11:53	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			08/31/11 11:53	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/31/11 11:53	1
Chloroform	1.0	U	1.0	0.34	ug/L			08/31/11 11:53	1
Chloromethane	1.0	U	1.0	0.35	ug/L			08/31/11 11:53	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			08/31/11 11:53	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			08/31/11 11:53	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			08/31/11 11:53	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			08/31/11 11:53	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			08/31/11 11:53	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			08/31/11 11:53	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			08/31/11 11:53	1
n-Butyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			08/31/11 11:53	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			08/31/11 11:53	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			08/31/11 11:53	1
Styrene	1.0	U	1.0	0.73	ug/L			08/31/11 11:53	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			08/31/11 11:53	1
Toluene	1.0	U	1.0	0.51	ug/L			08/31/11 11:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			08/31/11 11:53	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			08/31/11 11:53	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			08/31/11 11:53	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			08/31/11 11:53	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			08/31/11 11:53	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			08/31/11 11:53	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		66 - 137		08/31/11 11:53	1
Toluene-d8 (Surr)	102		71 - 126		08/31/11 11:53	1
4-Bromofluorobenzene (Surr)	91		73 - 120		08/31/11 11:53	1

Lab Sample ID: LCS 480-29577/4

Matrix: Water

Analysis Batch: 29577

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec Limits
1,1-Dichloroethane	25.0	29.3		ug/L		117	71 - 129
1,1-Dichloroethene	25.0	24.7		ug/L		99	65 - 138
1,2-Dichlorobenzene	25.0	26.4		ug/L		106	77 - 120
1,2-Dichloroethane	25.0	31.7		ug/L		127	75 - 127
Benzene	25.0	27.4		ug/L		110	71 - 124
Chlorobenzene	25.0	27.5		ug/L		110	72 - 120

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-29577/4

Matrix: Water

Analysis Batch: 29577

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
cis-1,2-Dichloroethene	25.0	27.3		ug/L		109	74 - 124
Ethylbenzene	25.0	27.8		ug/L		111	77 - 123
Methyl tert-butyl ether	25.0	25.3		ug/L		101	64 - 127
Tetrachloroethene	25.0	28.1		ug/L		112	74 - 122
Toluene	25.0	26.6		ug/L		106	70 - 122
trans-1,2-Dichloroethene	25.0	29.2		ug/L		117	73 - 127
Trichloroethene	25.0	28.0		ug/L		112	74 - 123

Surrogate	LCS % Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		66 - 137
Toluene-d8 (Surr)	101		71 - 126
4-Bromofluorobenzene (Surr)	96		73 - 120

Lab Sample ID: MB 480-29597/2-A

Matrix: Solid

Analysis Batch: 29568

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29597

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	100	U	100	28	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,1,2,2-Tetrachloroethane	100	U	100	16	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,1,2-Trichloroethane	100	U	100	21	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	100	U	100	50	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,1-Dichloroethane	100	U	100	31	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,1-Dichloroethene	100	U	100	35	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,2,4-Trichlorobenzene	100	U	100	38	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,2-Dibromo-3-Chloropropane	100	U	100	50	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,2-Dibromoethane	100	U	100	3.8	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,2-Dichlorobenzene	100	U	100	26	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,2-Dichloroethane	100	U	100	41	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,2-Dichloropropane	100	U	100	16	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,3-Dichlorobenzene	100	U	100	27	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
1,4-Dichlorobenzene	100	U	100	14	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
2-Hexanone	500	U	500	210	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
2-Butanone (MEK)	500	U	500	300	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
4-Methyl-2-pentanone (MIBK)	500	U	500	32	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Acetone	500	U	500	410	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Benzene	100	U	100	4.8	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Bromodichloromethane	100	U	100	20	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Bromoform	100	U	100	50	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Bromomethane	100	U	100	22	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Carbon disulfide	100	U	100	46	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Carbon tetrachloride	100	U	100	26	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Chlorobenzene	100	U	100	13	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Dibromochloromethane	100	U	100	48	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Chloroethane	100	U	100	21	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Chloroform	100	U	100	69	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Chloromethane	100	U	100	24	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
cis-1,2-Dichloroethene	100	U	100	28	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
cis-1,3-Dichloropropene	100	U	100	24	ug/Kg		08/31/11 10:42	08/31/11 13:42	1

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-29597/2-A

Matrix: Solid

Analysis Batch: 29568

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29597

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	100	U	100	22	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Dichlorodifluoromethane	100	U	100	44	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Ethylbenzene	100	U	100	29	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Isopropylbenzene	100	U	100	15	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Methyl acetate	100	U	100	48	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Methyl tert-butyl ether	100	U	100	38	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Methylcyclohexane	100	U	100	47	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Methylene Chloride	100	U	100	20	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Styrene	100	U	100	24	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Tetrachloroethene	100	U	100	13	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Toluene	100	U	100	27	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
trans-1,2-Dichloroethene	100	U	100	24	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
trans-1,3-Dichloropropene	100	U	100	4.8	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Trichloroethene	100	U	100	28	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Trichlorofluoromethane	100	U	100	47	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Vinyl chloride	100	U	100	34	ug/Kg		08/31/11 10:42	08/31/11 13:42	1
Xylenes, Total	200	U	200	17	ug/Kg		08/31/11 10:42	08/31/11 13:42	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dichloroethane-d4 (Surr)	110		53 - 146	08/31/11 10:42	08/31/11 13:42	1
Toluene-d8 (Surr)	114		50 - 149	08/31/11 10:42	08/31/11 13:42	1
4-Bromofluorobenzene (Surr)	110		49 - 148	08/31/11 10:42	08/31/11 13:42	1

Lab Sample ID: LCS 480-29597/1-A

Matrix: Solid

Analysis Batch: 29568

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29597

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1-Dichloroethane	2500	2730		ug/Kg		109	
1,1-Dichloroethene	2500	2320		ug/Kg		93	54 - 144
1,2-Dichlorobenzene	2500	2760		ug/Kg		110	
1,2-Dichloroethane	2500	2730		ug/Kg		109	
Benzene	2500	2700		ug/Kg		108	75 - 131
Chlorobenzene	2500	2810		ug/Kg		112	80 - 127
cis-1,2-Dichloroethene	2500	2690		ug/Kg		108	
Ethylbenzene	2500	2890		ug/Kg		116	
Methyl tert-butyl ether	2500	2450		ug/Kg		98	
Tetrachloroethene	2500	3140		ug/Kg		126	
Toluene	2500	2800		ug/Kg		112	76 - 133
trans-1,2-Dichloroethene	2500	2870		ug/Kg		115	
Trichloroethene	2500	2800		ug/Kg		112	77 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		53 - 146
Toluene-d8 (Surr)	108		50 - 149
4-Bromofluorobenzene (Surr)	110		49 - 148

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-29833/1-A
Matrix: Solid
Analysis Batch: 30112

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 29833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.0	U	1.0	0.25	mg/Kg		09/01/11 17:30	09/02/11 19:09	1

Lab Sample ID: LCSSRM 480-29833/2-A
Matrix: Solid
Analysis Batch: 30112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 29833

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	144	150.7		mg/Kg		105	73 - 126

Lab Sample ID: 480-9139-11 MS
Matrix: Solid
Analysis Batch: 30112

Client Sample ID: SB04-SS02
Prep Type: Total/NA
Prep Batch: 29833

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	95.8		51.5	102.1	F	mg/Kg	✱	12	75 - 125

Lab Sample ID: 480-9139-11 MSD
Matrix: Solid
Analysis Batch: 30112

Client Sample ID: SB04-SS02
Prep Type: Total/NA
Prep Batch: 29833

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD
Lead	95.8		54.0	115.1	F	mg/Kg	✱	36	75 - 125	12

QC Association Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

MS VOA

Analysis Batch: 29568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-29597/1-A	Lab Control Sample	Total/NA	Solid	8260B	29597
MB 480-29597/2-A	Method Blank	Total/NA	Solid	8260B	29597

Analysis Batch: 29571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9139-19	SB07-SS01	Total/NA	Solid	8260B	29616
480-9139-20	SB08-SS01	Total/NA	Solid	8260B	29616
480-9139-21	SB09-SS01	Total/NA	Solid	8260B	29616
480-9139-22	SB10-SS01	Total/NA	Solid	8260B	29616
480-9139-23	SB11-SS01	Total/NA	Solid	8260B	29616
480-9139-24	SB12-SS01	Total/NA	Solid	8260B	29616
480-9139-25	SB12-SS11	Total/NA	Solid	8260B	29616
480-9139-26	SB13-SS01	Total/NA	Solid	8260B	29616
480-9139-27	TB-110830	Total/NA	Water	8260B	29616
LCS 480-29571/4	Lab Control Sample	Total/NA	Solid	8260B	29616
MB 480-29571/13	Method Blank	Total/NA	Water	8260B	29616

Analysis Batch: 29577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9139-27	TB-110830	Total/NA	Water	8260B	29616
LCS 480-29577/4	Lab Control Sample	Total/NA	Water	8260B	29616
MB 480-29577/5	Method Blank	Total/NA	Water	8260B	29616

Batch: 29597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9139-23 - DL	SB11-SS01	Total/NA	Solid	5035	29616
LCS 480-29597/1-A	Lab Control Sample	Total/NA	Solid	5035	29616
MB 480-29597/2-A	Method Blank	Total/NA	Solid	5035	29616

Prep Batch: 29616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9139-19	SB07-SS01	Total/NA	Solid	5035	29616
480-9139-20	SB08-SS01	Total/NA	Solid	5035	29616
480-9139-21	SB09-SS01	Total/NA	Solid	5035	29616
480-9139-22	SB10-SS01	Total/NA	Solid	5035	29616
480-9139-23	SB11-SS01	Total/NA	Solid	5035	29616
480-9139-24	SB12-SS01	Total/NA	Solid	5035	29616
480-9139-25	SB12-SS11	Total/NA	Solid	5035	29616
480-9139-26	SB13-SS01	Total/NA	Solid	5035	29616

Analysis Batch: 29768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9139-23 - DL	SB11-SS01	Total/NA	Solid	8260B	29597

Metals

Prep Batch: 29833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9139-1	SB01-SS01	Total/NA	Solid	3050B	29833
480-9139-2	SB01-SS02	Total/NA	Solid	3050B	29833
480-9139-3	SB01-SS03	Total/NA	Solid	3050B	29833
480-9139-4	SB02-SS01	Total/NA	Solid	3050B	29833

QC Association Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Metals (Continued)

Prep Batch: 29833 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9139-5	SB02-SS02	Total/NA	Solid	3050B	
480-9139-6	SB02-SS03	Total/NA	Solid	3050B	
480-9139-7	SB03-SS01	Total/NA	Solid	3050B	
480-9139-8	SB03-SS02	Total/NA	Solid	3050B	
480-9139-9	SB03-SS03	Total/NA	Solid	3050B	
480-9139-10	SB04-SS01	Total/NA	Solid	3050B	
480-9139-11	SB04-SS02	Total/NA	Solid	3050B	
480-9139-11 MS	SB04-SS02	Total/NA	Solid	3050B	
480-9139-11 MSD	SB04-SS02	Total/NA	Solid	3050B	
480-9139-12	SB04-SS03	Total/NA	Solid	3050B	
480-9139-13	SB05-SS01	Total/NA	Solid	3050B	
480-9139-14	SB05-SS02	Total/NA	Solid	3050B	
480-9139-15	SB05-SS03	Total/NA	Solid	3050B	
480-9139-16	SB06-SS01	Total/NA	Solid	3050B	
480-9139-17	SB06-SS02	Total/NA	Solid	3050B	
480-9139-18	SB06-SS03	Total/NA	Solid	3050B	
LCSSRM 480-29833/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-29833/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 30112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9139-1	SB01-SS01	Total/NA	Solid	6010B	29833
480-9139-2	SB01-SS02	Total/NA	Solid	6010B	29833
480-9139-3	SB01-SS03	Total/NA	Solid	6010B	29833
480-9139-4	SB02-SS01	Total/NA	Solid	6010B	29833
480-9139-5	SB02-SS02	Total/NA	Solid	6010B	29833
480-9139-6	SB02-SS03	Total/NA	Solid	6010B	29833
480-9139-7	SB03-SS01	Total/NA	Solid	6010B	29833
480-9139-8	SB03-SS02	Total/NA	Solid	6010B	29833
480-9139-9	SB03-SS03	Total/NA	Solid	6010B	29833
480-9139-10	SB04-SS01	Total/NA	Solid	6010B	29833
480-9139-11	SB04-SS02	Total/NA	Solid	6010B	29833
480-9139-11 MS	SB04-SS02	Total/NA	Solid	6010B	29833
480-9139-11 MSD	SB04-SS02	Total/NA	Solid	6010B	29833
480-9139-12	SB04-SS03	Total/NA	Solid	6010B	29833
480-9139-13	SB05-SS01	Total/NA	Solid	6010B	29833
480-9139-14	SB05-SS02	Total/NA	Solid	6010B	29833
480-9139-15	SB05-SS03	Total/NA	Solid	6010B	29833
480-9139-16	SB06-SS01	Total/NA	Solid	6010B	29833
480-9139-17	SB06-SS02	Total/NA	Solid	6010B	29833
480-9139-18	SB06-SS03	Total/NA	Solid	6010B	29833
LCSSRM 480-29833/2-A	Lab Control Sample	Total/NA	Solid	6010B	29833
MB 480-29833/1-A	Method Blank	Total/NA	Solid	6010B	29833

General Chemistry

Analysis Batch: 29655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9139-1	SB01-SS01	Total/NA	Solid	Moisture	
480-9139-2	SB01-SS02	Total/NA	Solid	Moisture	
480-9139-3	SB01-SS03	Total/NA	Solid	Moisture	
480-9139-4	SB02-SS01	Total/NA	Solid	Moisture	

QC Association Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

General Chemistry (Continued)

Analysis Batch: 29655 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9139-5	SB02-SS02	Total/NA	Solid	Moisture	
480-9139-6	SB02-SS03	Total/NA	Solid	Moisture	
480-9139-7	SB03-SS01	Total/NA	Solid	Moisture	
480-9139-8	SB03-SS02	Total/NA	Solid	Moisture	
480-9139-9	SB03-SS03	Total/NA	Solid	Moisture	
480-9139-10	SB04-SS01	Total/NA	Solid	Moisture	
480-9139-11	SB04-SS02	Total/NA	Solid	Moisture	
480-9139-12	SB04-SS03	Total/NA	Solid	Moisture	
480-9139-13	SB05-SS01	Total/NA	Solid	Moisture	
480-9139-14	SB05-SS02	Total/NA	Solid	Moisture	
480-9139-15	SB05-SS03	Total/NA	Solid	Moisture	
480-9139-16	SB06-SS01	Total/NA	Solid	Moisture	
480-9139-17	SB06-SS02	Total/NA	Solid	Moisture	
480-9139-18	SB06-SS03	Total/NA	Solid	Moisture	
480-9139-19	SB07-SS01	Total/NA	Solid	Moisture	
480-9139-20	SB08-SS01	Total/NA	Solid	Moisture	
480-9139-21	SB09-SS01	Total/NA	Solid	Moisture	
480-9139-22	SB10-SS01	Total/NA	Solid	Moisture	
480-9139-23	SB11-SS01	Total/NA	Solid	Moisture	
480-9139-24	SB12-SS01	Total/NA	Solid	Moisture	
480-9139-25	SB12-SS11	Total/NA	Solid	Moisture	
480-9139-26	SB13-SS01	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB01-SS01

Lab Sample ID: 480-9139-1

Date Collected: 08/30/11 08:48

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 76.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:18	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB01-SS02

Lab Sample ID: 480-9139-2

Date Collected: 08/30/11 08:50

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 75.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:20	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB01-SS03

Lab Sample ID: 480-9139-3

Date Collected: 08/30/11 08:52

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:22	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB02-SS01

Lab Sample ID: 480-9139-4

Date Collected: 08/30/11 09:05

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:24	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB02-SS02

Lab Sample ID: 480-9139-5

Date Collected: 08/30/11 09:07

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 70.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:26	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB02-SS03

Lab Sample ID: 480-9139-6

Date Collected: 08/30/11 09:09

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:28	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB03-SS01

Lab Sample ID: 480-9139-7

Date Collected: 08/30/11 09:19

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:31	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB03-SS02

Lab Sample ID: 480-9139-8

Date Collected: 08/30/11 09:21

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 74.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:33	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB03-SS03

Lab Sample ID: 480-9139-9

Date Collected: 08/30/11 09:23

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 77.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:35	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB04-SS01

Lab Sample ID: 480-9139-10

Date Collected: 08/30/11 09:40

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:42	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB04-SS02

Lab Sample ID: 480-9139

Date Collected: 08/30/11 09:42

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 75.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:44	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB04-SS03

Lab Sample ID: 480-9139-12

Date Collected: 08/30/11 09:44

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:55	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB05-SS01

Lab Sample ID: 480-9139-13

Date Collected: 08/30/11 09:55

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:57	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB05-SS02

Lab Sample ID: 480-9139-14

Date Collected: 08/30/11 09:57

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 19:59	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB05-SS03

Lab Sample ID: 480-9139-15

Date Collected: 08/30/11 09:59

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 20:02	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB06-SS01

Lab Sample ID: 480-9139-16

Date Collected: 08/30/11 10:12

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 20:08	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB06-SS02

Lab Sample ID: 480-9139-17

Date Collected: 08/30/11 10:13

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 20:11	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB06-SS03

Lab Sample ID: 480-9139-18

Date Collected: 08/30/11 10:15

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 69.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			29833	09/01/11 17:30	MM	TAL BUF
Total/NA	Analysis	6010B		1	30112	09/02/11 20:13	AH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB07-SS01

Lab Sample ID: 480-9139-19

Date Collected: 08/30/11 11:15

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			29616	08/31/11 10:10	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	29571	08/31/11 15:20	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB08-SS01

Lab Sample ID: 480-9139-20

Date Collected: 08/30/11 11:50

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			29616	08/31/11 10:10	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	29571	08/31/11 15:45	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB09-SS01

Lab Sample ID: 480-9139

Date Collected: 08/30/11 12:05

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			29616	08/31/11 10:10	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	29571	08/31/11 16:11	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB10-SS01

Lab Sample ID: 480-9139-22

Date Collected: 08/30/11 12:20

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			29616	08/31/11 10:10	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	29571	08/31/11 16:37	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB11-SS01

Lab Sample ID: 480-9139-23

Date Collected: 08/30/11 12:35

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			29616	08/31/11 10:10	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	29571	08/31/11 17:02	PJQ	TAL BUF
Total/NA	Prep	5035	DL		29597	09/01/11 01:02	LH	TAL BUF
Total/NA	Analysis	8260B	DL	4	29768	09/01/11 14:42	LH	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB12-SS01

Lab Sample ID: 480-9139-24

Date Collected: 08/30/11 12:57

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			29616	08/31/11 10:10	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	29571	08/31/11 17:28	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: SB12-SS11

Lab Sample ID: 480-9139-25

Date Collected: 08/30/11 12:57

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			29616	08/31/11 10:10	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	29571	08/31/11 17:53	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Client Sample ID: SB13-SS01

Lab Sample ID: 480-9139-26

Date Collected: 08/30/11 13:20

Matrix: Solid

Date Received: 08/30/11 17:05

Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			29616	08/31/11 10:10	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	29571	08/31/11 18:19	PJQ	TAL BUF
Total/NA	Analysis	Moisture		1	29655	08/31/11 14:11	ZLR	TAL BUF

Client Sample ID: TB-110830

Lab Sample ID: 480-9139-27

Date Collected: 08/30/11 13:50

Matrix: Water

Date Received: 08/30/11 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	29571	08/31/11 18:44	PJQ	TAL BUF
Total/NA	Analysis	8260B		1	29577	08/31/11 20:07	DC	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	USDA		P330-08-00242
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	West Virginia	West Virginia DEP	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Id	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9139-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-9139-1	SB01-SS01	Solid	08/30/11 08:48	08/30/11 17:05
480-9139-2	SB01-SS02	Solid	08/30/11 08:50	08/30/11 17:05
480-9139-3	SB01-SS03	Solid	08/30/11 08:52	08/30/11 17:05
480-9139-4	SB02-SS01	Solid	08/30/11 09:05	08/30/11 17:05
480-9139-5	SB02-SS02	Solid	08/30/11 09:07	08/30/11 17:05
480-9139-6	SB02-SS03	Solid	08/30/11 09:09	08/30/11 17:05
480-9139-7	SB03-SS01	Solid	08/30/11 09:19	08/30/11 17:05
480-9139-8	SB03-SS02	Solid	08/30/11 09:21	08/30/11 17:05
480-9139-9	SB03-SS03	Solid	08/30/11 09:23	08/30/11 17:05
480-9139-10	SB04-SS01	Solid	08/30/11 09:40	08/30/11 17:05
480-9139-11	SB04-SS02	Solid	08/30/11 09:42	08/30/11 17:05
480-9139-12	SB04-SS03	Solid	08/30/11 09:44	08/30/11 17:05
480-9139-13	SB05-SS01	Solid	08/30/11 09:55	08/30/11 17:05
480-9139-14	SB05-SS02	Solid	08/30/11 09:57	08/30/11 17:05
480-9139-15	SB05-SS03	Solid	08/30/11 09:59	08/30/11 17:05
480-9139-16	SB06-SS01	Solid	08/30/11 10:12	08/30/11 17:05
480-9139-17	SB06-SS02	Solid	08/30/11 10:13	08/30/11 17:05
480-9139-18	SB06-SS03	Solid	08/30/11 10:15	08/30/11 17:05
480-9139-19	SB07-SS01	Solid	08/30/11 11:15	08/30/11 17:05
480-9139-20	SB08-SS01	Solid	08/30/11 11:50	08/30/11 17:05
480-9139-21	SB09-SS01	Solid	08/30/11 12:05	08/30/11 17:05
480-9139-22	SB10-SS01	Solid	08/30/11 12:20	08/30/11 17:05
480-9139-23	SB11-SS01	Solid	08/30/11 12:35	08/30/11 17:05
480-9139-24	SB12-SS01	Solid	08/30/11 12:57	08/30/11 17:05
480-9139-25	SB12-SS11	Solid	08/30/11 12:57	08/30/11 17:05
480-9139-26	SB13-SS01	Solid	08/30/11 13:20	08/30/11 17:05
480-9139-27	TB-110830	Water	08/30/11 13:50	08/30/11 17:05

Login Sample Receipt Checklist



ENVIRON International Corp.

Job Number: 480-9139-1

Login Number: 9139

List Source: TestAmerica Buffalo

List Number: 1

Creator: May, Joel M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ENVIRON
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-9354-1
Client Project/Site: VDM Lockport

For:
ENVIRON International Corp.
214 Carnegie Center
Suite 200
Princeton, New Jersey 08540

Attn: Mr. Jay Shipley

Peggy Gray-Erdmann

Authorized for release by:
09/10/2011 01:13:00 PM

Peggy Gray-Erdmann
Project Manager II
peggy.gray-erdmann@testamericainc.com

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www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Definitions/Glossary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	Recovery or RPD exceeds control limits
X	Surrogate is outside control limits
E	Result exceeded calibration range.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☆	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

ID: 480-9354-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-9354-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA


Method(s) 8260B: The following sample was diluted due to the abundance of target analytes: MW9D-110902 (480-9354-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following samples were diluted due to the abundance of target analytes: MW3D-110901 (480-9354-4), MW4DR-110901 (480-9354-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample was diluted due to the abundance of target analytes: MW9D-110902 DL (480-9354-5 DL). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The laboratory control sample (LCS) for preparation batch 480-30307 exceeded control limits for the following analyte: . This is not a client requested spike analyte; therefore, corrective action was not taken. The data has been qualified and reported.

Method(s) 8270C: The following sample contained acid surrogate 2,4,6-Tribromophenol outside acceptance limits: MW7D-110902D (480-9354-7). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

Organic Prep

Method(s) 3510C: During pH adjustment, the following sample required 10 mL of acid to reach the desired pH: MW10D-110902 (480-9354-8). Most samples take less than 5 mL to reach the desired range.

No other analytical or quality issues were noted.

Detection Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW4DR-110901

Lab Sample ID: 480-9354-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	46		1.0	0.82	ug/L		1	8260B	Total/NA
1,1-Dichloroethane	220	E	1.0	0.38	ug/L		1	8260B	Total/NA
1,1-Dichloroethene	120	E	1.0	0.29	ug/L		1	8260B	Total/NA
1,2-Dichloroethane	49		1.0	0.21	ug/L		1	8260B	Total/NA
1,2-Dichloropropane	6.0		1.0	0.72	ug/L		1	8260B	Total/NA
Acetone	3.1	J	10	3.0	ug/L		1	8260B	Total/NA
Benzene	3.7		1.0	0.41	ug/L		1	8260B	Total/NA
Carbon disulfide	0.66	J	1.0	0.19	ug/L		1	8260B	Total/NA
Chlorobenzene	46		1.0	0.75	ug/L		1	8260B	Total/NA
Chloroethane	33		1.0	0.32	ug/L		1	8260B	Total/NA
Chloroform	42		1.0	0.34	ug/L		1	8260B	Total/NA
cis-1,2-Dichloroethene	1.4		1.0	0.81	ug/L		1	8260B	Total/NA
Methylene Chloride	12		1.0	0.44	ug/L		1	8260B	Total/NA
Tetrachloroethene	0.47	J	1.0	0.36	ug/L		1	8260B	Total/NA
Toluene	1.7		1.0	0.51	ug/L		1	8260B	Total/NA
Trichloroethene	3.1		1.0	0.46	ug/L		1	8260B	Total/NA
Vinyl chloride	27		1.0	0.90	ug/L		1	8260B	Total/NA
Xylenes, Total	0.77	J	2.0	0.66	ug/L		1	8260B	Total/NA
1,1,1-Trichloroethane - DL	49	D	4.0	3.3	ug/L		4	8260B	Total/NA
1,1-Dichloroethane - DL	230	D	4.0	1.5	ug/L		4	8260B	Total/NA
1,1-Dichloroethene - DL	130	D	4.0	1.2	ug/L		4	8260B	Total/NA
1,2-Dichloroethane - DL	54	D	4.0	0.84	ug/L		4	8260B	Total/NA
1,2-Dichloropropane - DL	6.4	D	4.0	2.9	ug/L		4	8260B	Total/NA
Benzene - DL	4.1	D	4.0	1.6	ug/L		4	8260B	Total/NA
Chlorobenzene - DL	48	D	4.0	3.0	ug/L		4	8260B	Total/NA
Chloroethane - DL	35	D	4.0	1.3	ug/L		4	8260B	Total/NA
Chloroform - DL	46	D	4.0	1.4	ug/L		4	8260B	Total/NA
Methylene Chloride - DL	14	D	4.0	1.8	ug/L		4	8260B	Total/NA
Toluene - DL	2.0	J D	4.0	2.0	ug/L		4	8260B	Total/NA
Trichloroethene - DL	4.2	D	4.0	1.8	ug/L		4	8260B	Total/NA
Vinyl chloride - DL	29	D	4.0	3.6	ug/L		4	8260B	Total/NA
Acenaphthene	32		5.4	0.45	ug/L		1	8270C	Total/NA
Anthracene	0.47	J	5.4	0.30	ug/L		1	8270C	Total/NA
Bis(2-chloroethyl)ether	1.5	J	5.4	0.43	ug/L		1	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	2.1	J	5.4	2.0	ug/L		1	8270C	Total/NA
Carbazole	11		5.4	0.33	ug/L		1	8270C	Total/NA
Di-n-butyl phthalate	0.60	J	5.4	0.34	ug/L		1	8270C	Total/NA
Dibenzofuran	9.1	J	11	0.55	ug/L		1	8270C	Total/NA
Fluorene	9.6		5.4	0.39	ug/L		1	8270C	Total/NA
Naphthalene	1.0	J	5.4	0.83	ug/L		1	8270C	Total/NA
Pentachlorophenol	5.1	J	11	2.4	ug/L		1	8270C	Total/NA
Phenanthrene	3.9	J	5.4	0.48	ug/L		1	8270C	Total/NA

Client Sample ID: MW8D-110901

Lab Sample ID: 480-9354-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	9.5		1.0	0.38	ug/L		1	8260B	Total/NA
1,1-Dichloroethene	3.5		1.0	0.29	ug/L		1	8260B	Total/NA
Acetone	10		10	3.0	ug/L		1	8260B	Total/NA
Benzene	0.55	J	1.0	0.41	ug/L		1	8260B	Total/NA
Bromodichloromethane	3.4		1.0	0.39	ug/L		1	8260B	Total/NA
Carbon disulfide	2.2		1.0	0.19	ug/L		1	8260B	Total/NA
Chlorobenzene	1.6		1.0	0.75	ug/L		1	8260B	Total/NA
Dibromochloromethane	1.3		1.0	0.32	ug/L		1	8260B	Total/NA

Detection Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW8D-110901 (Continued)							Lab Sample ID: 480-9354-2		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	3.8		1.0	0.32	ug/L	1		8260B	Total/NA
Chloroform	14		1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	0.72	J	1.0	0.51	ug/L	1		8260B	Total/NA
Acenaphthene	1.5	J	5.8	0.48	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	4.0	J	5.8	2.1	ug/L	1		8270C	Total/NA
Di-n-butyl phthalate	0.63	J	5.8	0.36	ug/L	1		8270C	Total/NA
Diethyl phthalate	1.6	J	5.8	0.26	ug/L	1		8270C	Total/NA
N-Nitrosodiphenylamine	0.61	J	5.8	0.59	ug/L	1		8270C	Total/NA
Naphthalene	3.0	J	5.8	0.88	ug/L	1		8270C	Total/NA
Lead	0.0054		0.0050	0.0030	mg/L	1		6010B	Total/NA

Client Sample ID: MW5S-110901							Lab Sample ID: 480-9354-3		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo(a)anthracene	0.61	J	5.0	0.36	ug/L	1		8270C	Total/NA
Benzo(a)pyrene	0.54	J	5.0	0.47	ug/L	1		8270C	Total/NA
Benzo(b)fluoranthene	0.54	J	5.0	0.34	ug/L	1		8270C	Total/NA
Benzo(g,h,i)perylene	0.38	J	5.0	0.35	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	2.8	J	5.0	1.8	ug/L	1		8270C	Total/NA
Chrysene	0.68	J	5.0	0.33	ug/L	1		8270C	Total/NA
Diethyl phthalate	1.5	J	5.0	0.22	ug/L	1		8270C	Total/NA
Fluoranthene	0.74	J	5.0	0.40	ug/L	1		8270C	Total/NA
Pyrene	1.2	J	5.0	0.34	ug/L	1		8270C	Total/NA
Lead	0.067		0.0050	0.0030	mg/L	1		6010B	Total/NA

Client Sample ID: MW3D-110901							Lab Sample ID: 480-9354-4		
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	31		1.0	0.82	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	150	E	1.0	0.38	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	65		1.0	0.29	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	28		1.0	0.21	ug/L	1		8260B	Total/NA
1,2-Dichloropropane	1.4		1.0	0.72	ug/L	1		8260B	Total/NA
Chloroethane	2.1		1.0	0.32	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.93	J	1.0	0.81	ug/L	1		8260B	Total/NA
Trichloroethene	1.4		1.0	0.46	ug/L	1		8260B	Total/NA
Vinyl chloride	28		1.0	0.90	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane - DL	32	D	4.0	3.3	ug/L	4		8260B	Total/NA
1,1-Dichloroethane - DL	160	D	4.0	1.5	ug/L	4		8260B	Total/NA
1,1-Dichloroethene - DL	67	D	4.0	1.2	ug/L	4		8260B	Total/NA
1,2-Dichloroethane - DL	30	D	4.0	0.84	ug/L	4		8260B	Total/NA
Chloroethane - DL	2.5	J D	4.0	1.3	ug/L	4		8260B	Total/NA
Trichloroethene - DL	2.1	J D	4.0	1.8	ug/L	4		8260B	Total/NA
Vinyl chloride - DL	29	D	4.0	3.6	ug/L	4		8260B	Total/NA
Acenaphthene	2.7	J	5.2	0.43	ug/L	1		8270C	Total/NA
Carbazole	1.7	J	5.2	0.31	ug/L	1		8270C	Total/NA
Di-n-butyl phthalate	0.57	J	5.2	0.32	ug/L	1		8270C	Total/NA
Dibenzofuran	1.3	J	10	0.53	ug/L	1		8270C	Total/NA
Diethyl phthalate	0.52	J	5.2	0.23	ug/L	1		8270C	Total/NA
Fluorene	0.75	J	5.2	0.38	ug/L	1		8270C	Total/NA

Client Sample ID: MW9D-110902							Lab Sample ID: 480-9354-5		
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Detection Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW9D-110902 (Continued)

Lab Sample ID: 480-9354-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	5.8		4.0	3.4	ug/L	4		8260B	Total/NA
Bromodichloromethane	3.5	J	4.0	1.6	ug/L	4		8260B	Total/NA
Chlorobenzene	370		4.0	3.0	ug/L	4		8260B	Total/NA
Chloroform	190		4.0	1.4	ug/L	4		8260B	Total/NA
Cyclohexane	6.1		4.0	0.72	ug/L	4		8260B	Total/NA
Ethylbenzene	290		4.0	3.0	ug/L	4		8260B	Total/NA
Isopropylbenzene	52		4.0	3.2	ug/L	4		8260B	Total/NA
Methylcyclohexane	16		4.0	0.64	ug/L	4		8260B	Total/NA
Methylene Chloride	54		4.0	1.8	ug/L	4		8260B	Total/NA
Toluene	25		4.0	2.0	ug/L	4		8260B	Total/NA
Trichloroethene	4.0		4.0	1.8	ug/L	4		8260B	Total/NA
Xylenes, Total	1400	E	8.0	2.6	ug/L	4		8260B	Total/NA
Chlorobenzene - DL	380	D	10	7.5	ug/L	10		8260B	Total/NA
Chloroform - DL	210	D	10	3.4	ug/L	10		8260B	Total/NA
Cyclohexane - DL	5.6	J D	10	1.8	ug/L	10		8260B	Total/NA
Ethylbenzene - DL	290	D	10	7.4	ug/L	10		8260B	Total/NA
Isopropylbenzene - DL	51	D	10	7.9	ug/L	10		8260B	Total/NA
Methylcyclohexane - DL	16	D	10	1.6	ug/L	10		8260B	Total/NA
Methylene Chloride - DL	58	D	10	4.4	ug/L	10		8260B	Total/NA
Toluene - DL	26	D	10	5.1	ug/L	10		8260B	Total/NA
Trichloroethene - DL	5.3	J D	10	4.6	ug/L	10		8260B	Total/NA
Xylenes, Total - DL	1400	D	20	6.6	ug/L	10		8260B	Total/NA
2,4-Dimethylphenol	0.95	J	5.6	0.56	ug/L	1		8270C	Total/NA
Acenaphthene	0.60	J	5.6	0.46	ug/L	1		8270C	Total/NA
Acetophenone	2.7	J	5.6	0.61	ug/L	1		8270C	Total/NA
Naphthalene	0.92	J	5.6	0.85	ug/L	1		8270C	Total/NA
Lead	0.0039	J	0.0050	0.0030	mg/L	1		6010B	Total/NA

Client Sample ID: MW7D-110902

Lab Sample ID: 480-9354-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.5		1.0	0.82	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	22		1.0	0.38	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	3.0		1.0	0.29	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	0.95	J	1.0	0.21	ug/L	1		8260B	Total/NA
Chloroethane	4.4		1.0	0.32	ug/L	1		8260B	Total/NA
Chloroform	0.50	J	1.0	0.34	ug/L	1		8260B	Total/NA
Methylene Chloride	0.61	J	1.0	0.44	ug/L	1		8260B	Total/NA
Vinyl chloride	1.5		1.0	0.90	ug/L	1		8260B	Total/NA
Xylenes, Total	0.69	J	2.0	0.66	ug/L	1		8260B	Total/NA
Acenaphthene	3.4	J	5.4	0.45	ug/L	1		8270C	Total/NA
Carbazole	3.1	J	5.4	0.33	ug/L	1		8270C	Total/NA
Dibenzofuran	3.2	J	11	0.55	ug/L	1		8270C	Total/NA
Fluorene	1.8	J	5.4	0.39	ug/L	1		8270C	Total/NA
Phenol	0.83	J	5.4	0.42	ug/L	1		8270C	Total/NA

Client Sample ID: MW7D-110902D

Lab Sample ID: 480-9354-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.6		1.0	0.82	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	24		1.0	0.38	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	3.4		1.0	0.29	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	1.0		1.0	0.21	ug/L	1		8260B	Total/NA
Chloroethane	5.0		1.0	0.32	ug/L	1		8260B	Total/NA

Detection Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW7D-110902D (Continued)

Lab Sample ID: 480-9354-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.49	J	1.0	0.34	ug/L	1		8260B	Total/NA
Methylene Chloride	0.62	J	1.0	0.44	ug/L	1		8260B	Total/NA
Vinyl chloride	1.7		1.0	0.90	ug/L	1		8260B	Total/NA
Acenaphthene	0.91	J	5.7	0.47	ug/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	2.1	J	5.7	2.0	ug/L	1		8270C	Total/NA
Carbazole	2.1	J	5.7	0.34	ug/L	1		8270C	Total/NA
Dibenzofuran	2.3	J	11	0.58	ug/L	1		8270C	Total/NA
Fluorene	1.6	J	5.7	0.41	ug/L	1		8270C	Total/NA

Client Sample ID: MW10D-110902

Lab Sample ID: 480-9354-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.4	J	10	3.0	ug/L	1		8260B	Total/NA
Bromodichloromethane	12		1.0	0.39	ug/L	1		8260B	Total/NA
Carbon disulfide	1.6		1.0	0.19	ug/L	1		8260B	Total/NA
Dibromochloromethane	4.2		1.0	0.32	ug/L	1		8260B	Total/NA
Chloroform	35		1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	0.79	J	1.0	0.51	ug/L	1		8260B	Total/NA
Xylenes, Total	1.6	J	2.0	0.66	ug/L	1		8260B	Total/NA
Benzaldehyde	0.66	J	5.4	0.29	ug/L	1		8270C	Total/NA
Lead	0.0050		0.0050	0.0030	mg/L	1		6010B	Total/NA

Client Sample ID: TB-110902

Lab Sample ID: 480-9354-9

Detections

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW4DR-110901

Lab Sample ID: 480-9354-1

Date Collected: 09/01/11 06:49

Matrix: W

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	46		1.0	0.82	ug/L			09/06/11 16:46	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 16:46	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/06/11 16:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/06/11 16:46	1
1,1-Dichloroethane	220	E	1.0	0.38	ug/L			09/06/11 16:46	1
1,1-Dichloroethene	120	E	1.0	0.29	ug/L			09/06/11 16:46	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/06/11 16:46	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/06/11 16:46	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/06/11 16:46	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/06/11 16:46	1
1,2-Dichloroethane	49		1.0	0.21	ug/L			09/06/11 16:46	1
1,2-Dichloropropane	6.0		1.0	0.72	ug/L			09/06/11 16:46	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/06/11 16:46	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/06/11 16:46	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/06/11 16:46	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/06/11 16:46	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/06/11 16:46	1
Acetone	3.1	J	10	3.0	ug/L			09/06/11 16:46	1
Benzene	3.7		1.0	0.41	ug/L			09/06/11 16:46	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/06/11 16:46	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/06/11 16:46	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/06/11 16:46	1
Carbon disulfide	0.66	J	1.0	0.19	ug/L			09/06/11 16:46	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/06/11 16:46	1
Chlorobenzene	46		1.0	0.75	ug/L			09/06/11 16:46	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/06/11 16:46	1
Chloroethane	33		1.0	0.32	ug/L			09/06/11 16:46	1
Chloroform	42		1.0	0.34	ug/L			09/06/11 16:46	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/06/11 16:46	1
cis-1,2-Dichloroethene	1.4		1.0	0.81	ug/L			09/06/11 16:46	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/06/11 16:46	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/06/11 16:46	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/06/11 16:46	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/06/11 16:46	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/06/11 16:46	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			09/06/11 16:46	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/06/11 16:46	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/06/11 16:46	1
Methylene Chloride	12		1.0	0.44	ug/L			09/06/11 16:46	1
Styrene	1.0	U	1.0	0.73	ug/L			09/06/11 16:46	1
Tetrachloroethene	0.47	J	1.0	0.36	ug/L			09/06/11 16:46	1
Toluene	1.7		1.0	0.51	ug/L			09/06/11 16:46	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/06/11 16:46	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/06/11 16:46	1
Trichloroethene	3.1		1.0	0.46	ug/L			09/06/11 16:46	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/06/11 16:46	1
Vinyl chloride	27		1.0	0.90	ug/L			09/06/11 16:46	1
Xylenes, Total	0.77	J	2.0	0.66	ug/L			09/06/11 16:46	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW4DR-110901

Lab Sample ID: 480-9354-1

Collected: 09/01/11 06:49

Matrix: Water

Date Received: 09/02/11 17:00

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
1,4-Dioxane	800		ug/L		9.98	123-91-1		09/06/11 16:46	1
Indan, 1-methyl-	3.5	J N	ug/L		14.68	767-58-8		09/06/11 16:46	1
Benzofuran, 7-methyl-	5.5	J N	ug/L		14.97	17059-52-8		09/06/11 16:46	1
Naphthalene	0.67	J	ug/L		16.66	91-20-3		09/06/11 16:46	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 - 137					09/06/11 16:46	1
Toluene-d8 (Surr)	90		71 - 126					09/06/11 16:46	1
4-Bromofluorobenzene (Surr)	82		73 - 120					09/06/11 16:46	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	49	D	4.0	3.3	ug/L			09/07/11 14:48	4
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.84	ug/L			09/07/11 14:48	4
1,1,2-Trichloroethane	4.0	U	4.0	0.92	ug/L			09/07/11 14:48	4
1,1,2-Trichloro-1,2,2-trifluoroethane	4.0	U	4.0	1.2	ug/L			09/07/11 14:48	4
1,1-Dichloroethane	230	D	4.0	1.5	ug/L			09/07/11 14:48	4
1,1-Dichloroethene	130	D	4.0	1.2	ug/L			09/07/11 14:48	4
1,2,4-Trichlorobenzene	4.0	U	4.0	1.6	ug/L			09/07/11 14:48	4
1,2-Dibromo-3-Chloropropane	4.0	U	4.0	1.6	ug/L			09/07/11 14:48	4
1,2-Dibromoethane	4.0	U	4.0	2.9	ug/L			09/07/11 14:48	4
Dichlorobenzene	4.0	U	4.0	3.2	ug/L			09/07/11 14:48	4
1,2-Dichloroethane	54	D	4.0	0.84	ug/L			09/07/11 14:48	4
1,2-Dichloropropane	6.4	D	4.0	2.9	ug/L			09/07/11 14:48	4
1,3-Dichlorobenzene	4.0	U	4.0	3.1	ug/L			09/07/11 14:48	4
1,4-Dichlorobenzene	4.0	U	4.0	3.4	ug/L			09/07/11 14:48	4
2-Hexanone	20	U	20	5.0	ug/L			09/07/11 14:48	4
2-Butanone (MEK)	40	U	40	5.3	ug/L			09/07/11 14:48	4
4-Methyl-2-pentanone (MIBK)	20	U	20	8.4	ug/L			09/07/11 14:48	4
Acetone	40	U	40	12	ug/L			09/07/11 14:48	4
Benzene	4.1	D	4.0	1.6	ug/L			09/07/11 14:48	4
Bromodichloromethane	4.0	U	4.0	1.6	ug/L			09/07/11 14:48	4
Bromoform	4.0	U	4.0	1.0	ug/L			09/07/11 14:48	4
Bromomethane	4.0	U	4.0	2.8	ug/L			09/07/11 14:48	4
Carbon disulfide	4.0	U	4.0	0.76	ug/L			09/07/11 14:48	4
Carbon tetrachloride	4.0	U	4.0	1.1	ug/L			09/07/11 14:48	4
Chlorobenzene	48	D	4.0	3.0	ug/L			09/07/11 14:48	4
Dibromochloromethane	4.0	U	4.0	1.3	ug/L			09/07/11 14:48	4
Chloroethane	35	D	4.0	1.3	ug/L			09/07/11 14:48	4
Chloroform	46	D	4.0	1.4	ug/L			09/07/11 14:48	4
Chloromethane	4.0	U	4.0	1.4	ug/L			09/07/11 14:48	4
cis-1,2-Dichloroethene	4.0	U	4.0	3.2	ug/L			09/07/11 14:48	4
cis-1,3-Dichloropropene	4.0	U	4.0	1.4	ug/L			09/07/11 14:48	4
Cyclohexane	4.0	U	4.0	0.72	ug/L			09/07/11 14:48	4
Dichlorodifluoromethane	4.0	U	4.0	2.7	ug/L			09/07/11 14:48	4
Ethylbenzene	4.0	U	4.0	3.0	ug/L			09/07/11 14:48	4
Isopropylbenzene	4.0	U	4.0	3.2	ug/L			09/07/11 14:48	4
ethyl acetate	4.0	U	4.0	2.0	ug/L			09/07/11 14:48	4
ethyl tert-butyl ether	4.0	U	4.0	0.64	ug/L			09/07/11 14:48	4
Methylcyclohexane	4.0	U	4.0	0.64	ug/L			09/07/11 14:48	4
Methylene Chloride	14	D	4.0	1.8	ug/L			09/07/11 14:48	4

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW4DR-110901

Lab Sample ID: 480-9354-1

Date Collected: 09/01/11 06:49

Matrix: W

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	4.0	U	4.0	2.9	ug/L			09/07/11 14:48	4
Tetrachloroethene	4.0	U	4.0	1.4	ug/L			09/07/11 14:48	4
Toluene	2.0	J D	4.0	2.0	ug/L			09/07/11 14:48	4
trans-1,2-Dichloroethene	4.0	U	4.0	3.6	ug/L			09/07/11 14:48	4
trans-1,3-Dichloropropene	4.0	U	4.0	1.5	ug/L			09/07/11 14:48	4
Trichloroethene	4.2	D	4.0	1.8	ug/L			09/07/11 14:48	4
Trichlorofluoromethane	4.0	U	4.0	3.5	ug/L			09/07/11 14:48	4
Vinyl chloride	29	D	4.0	3.6	ug/L			09/07/11 14:48	4
Xylenes, Total	8.0	U	8.0	2.6	ug/L			09/07/11 14:48	4

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					09/07/11 14:48	4

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98	D	66 - 137		09/07/11 14:48	4
Toluene-d8 (Surr)	90	D	71 - 126		09/07/11 14:48	4
4-Bromofluorobenzene (Surr)	80	D	73 - 120		09/07/11 14:48	4

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.4	U	5.4	0.71	ug/L		09/07/11 06:00	09/08/11 15:41	1
bis (2-chloroisopropyl) ether	5.4	U	5.4	0.57	ug/L		09/07/11 06:00	09/08/11 15:41	1
2,4,5-Trichlorophenol	5.4	U	5.4	0.52	ug/L		09/07/11 06:00	09/08/11 15:41	1
2,4,6-Trichlorophenol	5.4	U	5.4	0.66	ug/L		09/07/11 06:00	09/08/11 15:41	1
2,4-Dichlorophenol	5.4	U	5.4	0.55	ug/L		09/07/11 06:00	09/08/11 15:41	1
2,4-Dimethylphenol	5.4	U	5.4	0.54	ug/L		09/07/11 06:00	09/08/11 15:41	1
2,4-Dinitrophenol	11	U	11	2.4	ug/L		09/07/11 06:00	09/08/11 15:41	1
2,4-Dinitrotoluene	5.4	U	5.4	0.49	ug/L		09/07/11 06:00	09/08/11 15:41	1
2,6-Dinitrotoluene	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 15:41	1
2-Chloronaphthalene	5.4	U	5.4	0.50	ug/L		09/07/11 06:00	09/08/11 15:41	1
2-Chlorophenol	5.4	U	5.4	0.58	ug/L		09/07/11 06:00	09/08/11 15:41	1
2-Methylnaphthalene	5.4	U	5.4	0.65	ug/L		09/07/11 06:00	09/08/11 15:41	1
2-Methylphenol	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 15:41	1
2-Nitroaniline	11	U	11	0.46	ug/L		09/07/11 06:00	09/08/11 15:41	1
2-Nitrophenol	5.4	U	5.4	0.52	ug/L		09/07/11 06:00	09/08/11 15:41	1
3,3'-Dichlorobenzidine	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 15:41	1
3-Nitroaniline	11	U	11	0.52	ug/L		09/07/11 06:00	09/08/11 15:41	1
4,6-Dinitro-2-methylphenol	11	U	11	2.4	ug/L		09/07/11 06:00	09/08/11 15:41	1
4-Bromophenyl phenyl ether	5.4	U	5.4	0.49	ug/L		09/07/11 06:00	09/08/11 15:41	1
4-Chloro-3-methylphenol	5.4	U	5.4	0.49	ug/L		09/07/11 06:00	09/08/11 15:41	1
4-Chloroaniline	5.4	U	5.4	0.64	ug/L		09/07/11 06:00	09/08/11 15:41	1
4-Chlorophenyl phenyl ether	5.4	U	5.4	0.38	ug/L		09/07/11 06:00	09/08/11 15:41	1
4-Methylphenol	11	U	11	0.39	ug/L		09/07/11 06:00	09/08/11 15:41	1
4-Nitroaniline	11	U	11	0.27	ug/L		09/07/11 06:00	09/08/11 15:41	1
4-Nitrophenol	11	U	11	1.7	ug/L		09/07/11 06:00	09/08/11 15:41	1
Acenaphthene	32		5.4	0.45	ug/L		09/07/11 06:00	09/08/11 15:41	1
Acenaphthylene	5.4	U	5.4	0.41	ug/L		09/07/11 06:00	09/08/11 15:41	1
Acetophenone	5.4	U	5.4	0.59	ug/L		09/07/11 06:00	09/08/11 15:41	1
Anthracene	0.47	J	5.4	0.30	ug/L		09/07/11 06:00	09/08/11 15:41	1
Atrazine	5.4	U *	5.4	0.50	ug/L		09/07/11 06:00	09/08/11 15:41	1
Benzaldehyde	5.4	U	5.4	0.29	ug/L		09/07/11 06:00	09/08/11 15:41	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW4DR-110901

Lab Sample ID: 480-9354-1

Collected: 09/01/11 06:49

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)anthracene	5.4	U	5.4	0.39	ug/L		09/07/11 06:00	09/08/11 15:41	1
Benzo(a)pyrene	5.4	U	5.4	0.51	ug/L		09/07/11 06:00	09/08/11 15:41	1
Benzo(b)fluoranthene	5.4	U	5.4	0.37	ug/L		09/07/11 06:00	09/08/11 15:41	1
Benzo(g,h,i)perylene	5.4	U	5.4	0.38	ug/L		09/07/11 06:00	09/08/11 15:41	1
Benzo(k)fluoranthene	5.4	U	5.4	0.79	ug/L		09/07/11 06:00	09/08/11 15:41	1
Bis(2-chloroethoxy)methane	5.4	U	5.4	0.38	ug/L		09/07/11 06:00	09/08/11 15:41	1
Bis(2-chloroethyl)ether	1.5	J	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 15:41	1
Bis(2-ethylhexyl) phthalate	2.1	J	5.4	2.0	ug/L		09/07/11 06:00	09/08/11 15:41	1
Butyl benzyl phthalate	5.4	U	5.4	0.46	ug/L		09/07/11 06:00	09/08/11 15:41	1
Caprolactam	5.4	U	5.4	2.4	ug/L		09/07/11 06:00	09/08/11 15:41	1
Carbazole	11		5.4	0.33	ug/L		09/07/11 06:00	09/08/11 15:41	1
Chrysene	5.4	U	5.4	0.36	ug/L		09/07/11 06:00	09/08/11 15:41	1
Di-n-butyl phthalate	0.60	J	5.4	0.34	ug/L		09/07/11 06:00	09/08/11 15:41	1
Di-n-octyl phthalate	5.4	U	5.4	0.51	ug/L		09/07/11 06:00	09/08/11 15:41	1
Dibenz(a,h)anthracene	5.4	U	5.4	0.46	ug/L		09/07/11 06:00	09/08/11 15:41	1
Dibenzofuran	9.1	J	11	0.55	ug/L		09/07/11 06:00	09/08/11 15:41	1
Diethyl phthalate	5.4	U	5.4	0.24	ug/L		09/07/11 06:00	09/08/11 15:41	1
Dimethyl phthalate	5.4	U	5.4	0.39	ug/L		09/07/11 06:00	09/08/11 15:41	1
Fluoranthene	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 15:41	1
Fluorene	9.6		5.4	0.39	ug/L		09/07/11 06:00	09/08/11 15:41	1
Heptachlorobenzene	5.4	U	5.4	0.55	ug/L		09/07/11 06:00	09/08/11 15:41	1
Hexachlorobutadiene	5.4	U	5.4	0.74	ug/L		09/07/11 06:00	09/08/11 15:41	1
Hexachlorocyclopentadiene	5.4	U	5.4	0.64	ug/L		09/07/11 06:00	09/08/11 15:41	1
Hexachloroethane	5.4	U	5.4	0.64	ug/L		09/07/11 06:00	09/08/11 15:41	1
Indeno(1,2,3-cd)pyrene	5.4	U	5.4	0.51	ug/L		09/07/11 06:00	09/08/11 15:41	1
Isophorane	5.4	U	5.4	0.47	ug/L		09/07/11 06:00	09/08/11 15:41	1
N-Nitrosodi-n-propylamine	5.4	U	5.4	0.59	ug/L		09/07/11 06:00	09/08/11 15:41	1
N-Nitrosodiphenylamine	5.4	U	5.4	0.55	ug/L		09/07/11 06:00	09/08/11 15:41	1
Naphthalene	1.0	J	5.4	0.83	ug/L		09/07/11 06:00	09/08/11 15:41	1
Nitrobenzene	5.4	U	5.4	0.32	ug/L		09/07/11 06:00	09/08/11 15:41	1
Pentachlorophenol	5.1	J	11	2.4	ug/L		09/07/11 06:00	09/08/11 15:41	1
Phenanthrene	3.9	J	5.4	0.48	ug/L		09/07/11 06:00	09/08/11 15:41	1
Phenol	5.4	U	5.4	0.42	ug/L		09/07/11 06:00	09/08/11 15:41	1
Pyrene	5.4	U	5.4	0.37	ug/L		09/07/11 06:00	09/08/11 15:41	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Benzene, chloro-	23	J N	ug/L		3.73	108-90-7	09/07/11 06:00	09/08/11 15:41	1
Unknown	9.8	J	ug/L		7.26		09/07/11 06:00	09/08/11 15:41	1
Urea, tetraethyl-	34	J N	ug/L		7.68	1187-3-7	09/07/11 06:00	09/08/11 15:41	1
Unknown	7.5	J	ug/L		8.66		09/07/11 06:00	09/08/11 15:41	1
Benzenesulfonamide, 4-methyl-	5.9	J N	ug/L		10.90	70-55-3	09/07/11 06:00	09/08/11 15:41	1
Unknown	29	J	ug/L		12.81		09/07/11 06:00	09/08/11 15:41	1
Octadecanoic acid	7.2	J N	ug/L		12.89	57-11-4	09/07/11 06:00	09/08/11 15:41	1
Hexadecanoic acid, butyl ester	50	J N	ug/L		12.97	111-6-8	09/07/11 06:00	09/08/11 15:41	1
Unknown	13	J	ug/L		13.33		09/07/11 06:00	09/08/11 15:41	1
Unknown	43	J	ug/L		13.59		09/07/11 06:00	09/08/11 15:41	1
Unknown	14	J	ug/L		13.64		09/07/11 06:00	09/08/11 15:41	1
Unknown	7.0	J	ug/L		13.91		09/07/11 06:00	09/08/11 15:41	1
Unknown	23	J	ug/L		14.10		09/07/11 06:00	09/08/11 15:41	1
Unknown	7.3	J	ug/L		14.25		09/07/11 06:00	09/08/11 15:41	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW4DR-110901

Lab Sample ID: 480-9354-1

Date Collected: 09/01/11 06:49

Matrix: W

Date Received: 09/02/11 17:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	37	J	ug/L		14.37		09/07/11 06:00	09/08/11 15:41	1
Unknown	6.4	J	ug/L		14.65		09/07/11 06:00	09/08/11 15:41	1
Unknown	25	J	ug/L		14.84		09/07/11 06:00	09/08/11 15:41	1
Unknown	7.0	J	ug/L		15.47		09/07/11 06:00	09/08/11 15:41	1
Unknown	31	J	ug/L		15.70		09/07/11 06:00	09/08/11 15:41	1
Unknown	6.5	J	ug/L		16.52		09/07/11 06:00	09/08/11 15:41	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	129		52 - 132	09/07/11 06:00	09/08/11 15:41	1
2-Fluorobiphenyl	100		48 - 120	09/07/11 06:00	09/08/11 15:41	1
2-Fluorophenol	51		20 - 120	09/07/11 06:00	09/08/11 15:41	1
Nitrobenzene-d5	88		46 - 120	09/07/11 06:00	09/08/11 15:41	1
p-Terphenyl-d14	92		24 - 136	09/07/11 06:00	09/08/11 15:41	1
Phenol-d5	37		16 - 120	09/07/11 06:00	09/08/11 15:41	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0050	U	0.0050	0.0030	mg/L		09/07/11 08:30	09/07/11 17:25	1

Client Sample ID: MW8D-110901

Lab Sample ID: 480-9354-2

Date Collected: 09/01/11 08:15

Matrix: W

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/06/11 17:11	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 17:11	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/06/11 17:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/06/11 17:11	1
1,1-Dichloroethane	9.5		1.0	0.38	ug/L			09/06/11 17:11	1
1,1-Dichloroethene	3.5		1.0	0.29	ug/L			09/06/11 17:11	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/06/11 17:11	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/06/11 17:11	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/06/11 17:11	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/06/11 17:11	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 17:11	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/06/11 17:11	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/06/11 17:11	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/06/11 17:11	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/06/11 17:11	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/06/11 17:11	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/06/11 17:11	1
Acetone	10		10	3.0	ug/L			09/06/11 17:11	1
Benzene	0.55	J	1.0	0.41	ug/L			09/06/11 17:11	1
Bromodichloromethane	3.4		1.0	0.39	ug/L			09/06/11 17:11	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/06/11 17:11	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/06/11 17:11	1
Carbon disulfide	2.2		1.0	0.19	ug/L			09/06/11 17:11	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/06/11 17:11	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW8D-110901

Lab Sample ID: 480-9354-2

Collected: 09/01/11 08:15

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	1.6		1.0	0.75	ug/L			09/06/11 17:11	1
Dibromochloromethane	1.3		1.0	0.32	ug/L			09/06/11 17:11	1
Chloroethane	3.8		1.0	0.32	ug/L			09/06/11 17:11	1
Chloroform	14		1.0	0.34	ug/L			09/06/11 17:11	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/06/11 17:11	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/06/11 17:11	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/06/11 17:11	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/06/11 17:11	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/06/11 17:11	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/06/11 17:11	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/06/11 17:11	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			09/06/11 17:11	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/06/11 17:11	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/06/11 17:11	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/06/11 17:11	1
Styrene	1.0	U	1.0	0.73	ug/L			09/06/11 17:11	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/06/11 17:11	1
Toluene	0.72	J	1.0	0.51	ug/L			09/06/11 17:11	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/06/11 17:11	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/06/11 17:11	1
Chloroethene	1.0	U	1.0	0.46	ug/L			09/06/11 17:11	1
Dichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/06/11 17:11	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/06/11 17:11	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/06/11 17:11	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2.7	J	ug/L		8.25			09/06/11 17:11	1
1,4-Dioxane	190		ug/L		9.98	123-91-1		09/06/11 17:11	1
Acenaphthene	3.1	J N	ug/L		15.34	83-32-9		09/06/11 17:11	1
Naphthalene	2.3		ug/L		16.67	91-20-3		09/06/11 17:11	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		09/06/11 17:11	1
Toluene-d8 (Surr)	90		71 - 126		09/06/11 17:11	1
4-Bromofluorobenzene (Surr)	80		73 - 120		09/06/11 17:11	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.8	U	5.8	0.76	ug/L		09/07/11 06:00	09/08/11 16:04	1
bis (2-chloroisopropyl) ether	5.8	U	5.8	0.60	ug/L		09/07/11 06:00	09/08/11 16:04	1
2,4,5-Trichlorophenol	5.8	U	5.8	0.56	ug/L		09/07/11 06:00	09/08/11 16:04	1
2,4,6-Trichlorophenol	5.8	U	5.8	0.71	ug/L		09/07/11 06:00	09/08/11 16:04	1
2,4-Dichlorophenol	5.8	U	5.8	0.59	ug/L		09/07/11 06:00	09/08/11 16:04	1
2,4-Dimethylphenol	5.8	U	5.8	0.58	ug/L		09/07/11 06:00	09/08/11 16:04	1
2,4-Dinitrophenol	12	U	12	2.6	ug/L		09/07/11 06:00	09/08/11 16:04	1
2,4-Dinitrotoluene	5.8	U	5.8	0.52	ug/L		09/07/11 06:00	09/08/11 16:04	1
2,6-Dinitrotoluene	5.8	U	5.8	0.47	ug/L		09/07/11 06:00	09/08/11 16:04	1
Chloronaphthalene	5.8	U	5.8	0.53	ug/L		09/07/11 06:00	09/08/11 16:04	1
Chlorophenol	5.8	U	5.8	0.62	ug/L		09/07/11 06:00	09/08/11 16:04	1
2-Methylnaphthalene	5.8	U	5.8	0.70	ug/L		09/07/11 06:00	09/08/11 16:04	1
2-Methylphenol	5.8	U	5.8	0.47	ug/L		09/07/11 06:00	09/08/11 16:04	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW8D-110901

Lab Sample ID: 480-9354-2

Date Collected: 09/01/11 08:15

Matrix: W

Date Received: 09/02/11 17:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	12	U	12	0.49	ug/L		09/07/11 06:00	09/08/11 16:04	1
2-Nitrophenol	5.8	U	5.8	0.56	ug/L		09/07/11 06:00	09/08/11 16:04	1
3,3'-Dichlorobenzidine	5.8	U	5.8	0.47	ug/L		09/07/11 06:00	09/08/11 16:04	1
3-Nitroaniline	12	U	12	0.56	ug/L		09/07/11 06:00	09/08/11 16:04	1
4,6-Dinitro-2-methylphenol	12	U	12	2.6	ug/L		09/07/11 06:00	09/08/11 16:04	1
4-Bromophenyl phenyl ether	5.8	U	5.8	0.52	ug/L		09/07/11 06:00	09/08/11 16:04	1
4-Chloro-3-methylphenol	5.8	U	5.8	0.52	ug/L		09/07/11 06:00	09/08/11 16:04	1
4-Chloroaniline	5.8	U	5.8	0.69	ug/L		09/07/11 06:00	09/08/11 16:04	1
4-Chlorophenyl phenyl ether	5.8	U	5.8	0.41	ug/L		09/07/11 06:00	09/08/11 16:04	1
4-Methylphenol	12	U	12	0.42	ug/L		09/07/11 06:00	09/08/11 16:04	1
4-Nitroaniline	12	U	12	0.29	ug/L		09/07/11 06:00	09/08/11 16:04	1
4-Nitrophenol	12	U	12	1.8	ug/L		09/07/11 06:00	09/08/11 16:04	1
Acenaphthene	1.5	J	5.8	0.48	ug/L		09/07/11 06:00	09/08/11 16:04	1
Acenaphthylene	5.8	U	5.8	0.44	ug/L		09/07/11 06:00	09/08/11 16:04	1
Acetophenone	5.8	U	5.8	0.63	ug/L		09/07/11 06:00	09/08/11 16:04	1
Anthracene	5.8	U	5.8	0.33	ug/L		09/07/11 06:00	09/08/11 16:04	1
Atrazine	5.8	U *	5.8	0.53	ug/L		09/07/11 06:00	09/08/11 16:04	1
Benzaldehyde	5.8	U	5.8	0.31	ug/L		09/07/11 06:00	09/08/11 16:04	1
Benzo(a)anthracene	5.8	U	5.8	0.42	ug/L		09/07/11 06:00	09/08/11 16:04	1
Benzo(a)pyrene	5.8	U	5.8	0.55	ug/L		09/07/11 06:00	09/08/11 16:04	1
Benzo(b)fluoranthene	5.8	U	5.8	0.40	ug/L		09/07/11 06:00	09/08/11 16:04	1
Benzo(g,h,i)perylene	5.8	U	5.8	0.41	ug/L		09/07/11 06:00	09/08/11 16:04	1
Benzo(k)fluoranthene	5.8	U	5.8	0.85	ug/L		09/07/11 06:00	09/08/11 16:04	1
Bis(2-chloroethoxy)methane	5.8	U	5.8	0.41	ug/L		09/07/11 06:00	09/08/11 16:04	1
Bis(2-chloroethyl)ether	5.8	U	5.8	0.47	ug/L		09/07/11 06:00	09/08/11 16:04	1
Bis(2-ethylhexyl) phthalate	4.0	J	5.8	2.1	ug/L		09/07/11 06:00	09/08/11 16:04	1
Butyl benzyl phthalate	5.8	U	5.8	0.49	ug/L		09/07/11 06:00	09/08/11 16:04	1
Caprolactam	5.8	U	5.8	2.6	ug/L		09/07/11 06:00	09/08/11 16:04	1
Carbazole	5.8	U	5.8	0.35	ug/L		09/07/11 06:00	09/08/11 16:04	1
Chrysene	5.8	U	5.8	0.38	ug/L		09/07/11 06:00	09/08/11 16:04	1
Di-n-butyl phthalate	0.63	J	5.8	0.36	ug/L		09/07/11 06:00	09/08/11 16:04	1
Di-n-octyl phthalate	5.8	U	5.8	0.55	ug/L		09/07/11 06:00	09/08/11 16:04	1
Dibenz(a,h)anthracene	5.8	U	5.8	0.49	ug/L		09/07/11 06:00	09/08/11 16:04	1
Dibenzofuran	12	U	12	0.59	ug/L		09/07/11 06:00	09/08/11 16:04	1
Diethyl phthalate	1.6	J	5.8	0.26	ug/L		09/07/11 06:00	09/08/11 16:04	1
Dimethyl phthalate	5.8	U	5.8	0.42	ug/L		09/07/11 06:00	09/08/11 16:04	1
Fluoranthene	5.8	U	5.8	0.47	ug/L		09/07/11 06:00	09/08/11 16:04	1
Fluorene	5.8	U	5.8	0.42	ug/L		09/07/11 06:00	09/08/11 16:04	1
Hexachlorobenzene	5.8	U	5.8	0.59	ug/L		09/07/11 06:00	09/08/11 16:04	1
Hexachlorobutadiene	5.8	U	5.8	0.79	ug/L		09/07/11 06:00	09/08/11 16:04	1
Hexachlorocyclopentadiene	5.8	U	5.8	0.69	ug/L		09/07/11 06:00	09/08/11 16:04	1
Hexachloroethane	5.8	U	5.8	0.69	ug/L		09/07/11 06:00	09/08/11 16:04	1
Indeno(1,2,3-cd)pyrene	5.8	U	5.8	0.55	ug/L		09/07/11 06:00	09/08/11 16:04	1
Isophorone	5.8	U	5.8	0.50	ug/L		09/07/11 06:00	09/08/11 16:04	1
N-Nitrosodi-n-propylamine	5.8	U	5.8	0.63	ug/L		09/07/11 06:00	09/08/11 16:04	1
N-Nitrosodiphenylamine	0.61	J	5.8	0.59	ug/L		09/07/11 06:00	09/08/11 16:04	1
Naphthalene	3.0	J	5.8	0.88	ug/L		09/07/11 06:00	09/08/11 16:04	1
Nitrobenzene	5.8	U	5.8	0.34	ug/L		09/07/11 06:00	09/08/11 16:04	1
Pentachlorophenol	12	U	12	2.6	ug/L		09/07/11 06:00	09/08/11 16:04	1
Phenanthrene	5.8	U	5.8	0.51	ug/L		09/07/11 06:00	09/08/11 16:04	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW8D-110901

Lab Sample ID: 480-9354-2

Collected: 09/01/11 08:15

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	5.8	U	5.8	0.45	ug/L		09/07/11 06:00	09/08/11 16:04	1
Pyrene	5.8	U	5.8	0.40	ug/L		09/07/11 06:00	09/08/11 16:04	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	12	J	ug/L		4.48		09/07/11 06:00	09/08/11 16:04	1
Unknown	7.2	J	ug/L		11.78		09/07/11 06:00	09/08/11 16:04	1
Unknown	37	J	ug/L		12.81		09/07/11 06:00	09/08/11 16:04	1
Hexadecanoic acid, butyl ester	50	J N	ug/L		12.97	111-6-8	09/07/11 06:00	09/08/11 16:04	1
Unknown	15	J	ug/L		13.33		09/07/11 06:00	09/08/11 16:04	1
Octadecanoic acid, butyl ester	46	J N	ug/L		13.59	123-95-5	09/07/11 06:00	09/08/11 16:04	1
Unknown	14	J	ug/L		13.64		09/07/11 06:00	09/08/11 16:04	1
Unknown	7.4	J	ug/L		13.91		09/07/11 06:00	09/08/11 16:04	1
Unknown	29	J	ug/L		14.10		09/07/11 06:00	09/08/11 16:04	1
Unknown	26	J	ug/L		14.37		09/07/11 06:00	09/08/11 16:04	1
Unknown	9.1	J	ug/L		14.65		09/07/11 06:00	09/08/11 16:04	1
Erucylamide	13	J N	ug/L		14.72	112-84-5	09/07/11 06:00	09/08/11 16:04	1
Unknown	34	J	ug/L		14.84		09/07/11 06:00	09/08/11 16:04	1
Unknown	6.8	J	ug/L		15.10		09/07/11 06:00	09/08/11 16:04	1
Unknown	9.7	J	ug/L		15.47		09/07/11 06:00	09/08/11 16:04	1
Unknown	35	J	ug/L		15.70		09/07/11 06:00	09/08/11 16:04	1
Unknown	6.4	J	ug/L		16.48		09/07/11 06:00	09/08/11 16:04	1
Unknown	8.9	J	ug/L		16.81		09/07/11 06:00	09/08/11 16:04	1
Unknown	24	J	ug/L		16.84		09/07/11 06:00	09/08/11 16:04	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	121		52 - 132	09/07/11 06:00	09/08/11 16:04	1
2-Fluorobiphenyl	95		48 - 120	09/07/11 06:00	09/08/11 16:04	1
2-Fluorophenol	54		20 - 120	09/07/11 06:00	09/08/11 16:04	1
Nitrobenzene-d5	88		46 - 120	09/07/11 06:00	09/08/11 16:04	1
p-Terphenyl-d14	102		24 - 136	09/07/11 06:00	09/08/11 16:04	1
Phenol-d5	39		16 - 120	09/07/11 06:00	09/08/11 16:04	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0054		0.0050	0.0030	mg/L		09/07/11 08:30	09/07/11 17:28	1

Client Sample ID: MW5S-110901

Lab Sample ID: 480-9354-3

Date Collected: 09/01/11 09:15

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/06/11 17:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 17:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/06/11 17:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/06/11 17:36	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/06/11 17:36	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/06/11 17:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/06/11 17:36	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/06/11 17:36	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW5S-110901

Lab Sample ID: 480-9354-2

Date Collected: 09/01/11 09:15

Matrix: W

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/06/11 17:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/06/11 17:36	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 17:36	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/06/11 17:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/06/11 17:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/06/11 17:36	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/06/11 17:36	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/06/11 17:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/06/11 17:36	1
Acetone	10	U	10	3.0	ug/L			09/06/11 17:36	1
Benzene	1.0	U	1.0	0.41	ug/L			09/06/11 17:36	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/06/11 17:36	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/06/11 17:36	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/06/11 17:36	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/06/11 17:36	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/06/11 17:36	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/06/11 17:36	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/06/11 17:36	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/06/11 17:36	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/06/11 17:36	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/06/11 17:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/06/11 17:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/06/11 17:36	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/06/11 17:36	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/06/11 17:36	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/06/11 17:36	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/06/11 17:36	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			09/06/11 17:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/06/11 17:36	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/06/11 17:36	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/06/11 17:36	1
Styrene	1.0	U	1.0	0.73	ug/L			09/06/11 17:36	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/06/11 17:36	1
Toluene	1.0	U	1.0	0.51	ug/L			09/06/11 17:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/06/11 17:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/06/11 17:36	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/06/11 17:36	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/06/11 17:36	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/06/11 17:36	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/06/11 17:36	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					09/06/11 17:36	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137					09/06/11 17:36	1
Toluene-d8 (Surr)	93		71 - 126					09/06/11 17:36	1
4-Bromofluorobenzene (Surr)	84		73 - 120					09/06/11 17:36	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW5S-110901

Lab Sample ID: 480-9354-3

Collected: 09/01/11 09:15

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.0	U	5.0	0.65	ug/L		09/07/11 06:00	09/08/11 16:28	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		09/07/11 06:00	09/08/11 16:28	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		09/07/11 06:00	09/08/11 16:28	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		09/07/11 06:00	09/08/11 16:28	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		09/07/11 06:00	09/08/11 16:28	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		09/07/11 06:00	09/08/11 16:28	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		09/07/11 06:00	09/08/11 16:28	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		09/07/11 06:00	09/08/11 16:28	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		09/07/11 06:00	09/08/11 16:28	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		09/07/11 06:00	09/08/11 16:28	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		09/07/11 06:00	09/08/11 16:28	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		09/07/11 06:00	09/08/11 16:28	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		09/07/11 06:00	09/08/11 16:28	1
2-Nitroaniline	10	U	10	0.42	ug/L		09/07/11 06:00	09/08/11 16:28	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		09/07/11 06:00	09/08/11 16:28	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		09/07/11 06:00	09/08/11 16:28	1
3-Nitroaniline	10	U	10	0.48	ug/L		09/07/11 06:00	09/08/11 16:28	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		09/07/11 06:00	09/08/11 16:28	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		09/07/11 06:00	09/08/11 16:28	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		09/07/11 06:00	09/08/11 16:28	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		09/07/11 06:00	09/08/11 16:28	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		09/07/11 06:00	09/08/11 16:28	1
4-Methylphenol	10	U	10	0.36	ug/L		09/07/11 06:00	09/08/11 16:28	1
4-Nitroaniline	10	U	10	0.25	ug/L		09/07/11 06:00	09/08/11 16:28	1
4-Nitrophenol	10	U	10	1.5	ug/L		09/07/11 06:00	09/08/11 16:28	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		09/07/11 06:00	09/08/11 16:28	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		09/07/11 06:00	09/08/11 16:28	1
Acetophenone	5.0	U	5.0	0.54	ug/L		09/07/11 06:00	09/08/11 16:28	1
Anthracene	5.0	U	5.0	0.28	ug/L		09/07/11 06:00	09/08/11 16:28	1
Atrazine	5.0	U *	5.0	0.46	ug/L		09/07/11 06:00	09/08/11 16:28	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		09/07/11 06:00	09/08/11 16:28	1
Benzo(a)anthracene	0.61	J	5.0	0.36	ug/L		09/07/11 06:00	09/08/11 16:28	1
Benzo(a)pyrene	0.54	J	5.0	0.47	ug/L		09/07/11 06:00	09/08/11 16:28	1
Benzo(b)fluoranthene	0.54	J	5.0	0.34	ug/L		09/07/11 06:00	09/08/11 16:28	1
Benzo(g,h,i)perylene	0.38	J	5.0	0.35	ug/L		09/07/11 06:00	09/08/11 16:28	1
Benzo(k)fluoranthene	5.0	U	5.0	0.73	ug/L		09/07/11 06:00	09/08/11 16:28	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		09/07/11 06:00	09/08/11 16:28	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		09/07/11 06:00	09/08/11 16:28	1
Bis(2-ethylhexyl) phthalate	2.8	J	5.0	1.8	ug/L		09/07/11 06:00	09/08/11 16:28	1
Butyl benzyl phthalate	5.0	U	5.0	0.42	ug/L		09/07/11 06:00	09/08/11 16:28	1
Caprolactam	5.0	U	5.0	2.2	ug/L		09/07/11 06:00	09/08/11 16:28	1
Carbazole	5.0	U	5.0	0.30	ug/L		09/07/11 06:00	09/08/11 16:28	1
Chrysene	0.68	J	5.0	0.33	ug/L		09/07/11 06:00	09/08/11 16:28	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		09/07/11 06:00	09/08/11 16:28	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		09/07/11 06:00	09/08/11 16:28	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		09/07/11 06:00	09/08/11 16:28	1
Dibenzofuran	10	U	10	0.51	ug/L		09/07/11 06:00	09/08/11 16:28	1
Diethyl phthalate	1.5	J	5.0	0.22	ug/L		09/07/11 06:00	09/08/11 16:28	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		09/07/11 06:00	09/08/11 16:28	1
Fluoranthene	0.74	J	5.0	0.40	ug/L		09/07/11 06:00	09/08/11 16:28	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW5S-110901

Lab Sample ID: 480-9354-3

Date Collected: 09/01/11 09:15

Matrix: W

Date Received: 09/02/11 17:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	5.0	U	5.0	0.36	ug/L		09/07/11 06:00	09/08/11 16:28	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		09/07/11 06:00	09/08/11 16:28	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		09/07/11 06:00	09/08/11 16:28	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		09/07/11 06:00	09/08/11 16:28	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		09/07/11 06:00	09/08/11 16:28	1
Indeno(1,2,3-cd)pyrene	5.0	U	5.0	0.47	ug/L		09/07/11 06:00	09/08/11 16:28	1
Isophorone	5.0	U	5.0	0.43	ug/L		09/07/11 06:00	09/08/11 16:28	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		09/07/11 06:00	09/08/11 16:28	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		09/07/11 06:00	09/08/11 16:28	1
Naphthalene	5.0	U	5.0	0.76	ug/L		09/07/11 06:00	09/08/11 16:28	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		09/07/11 06:00	09/08/11 16:28	1
Pentachlorophenol	10	U	10	2.2	ug/L		09/07/11 06:00	09/08/11 16:28	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		09/07/11 06:00	09/08/11 16:28	1
Phenol	5.0	U	5.0	0.39	ug/L		09/07/11 06:00	09/08/11 16:28	1
Pyrene	1.2	J	5.0	0.34	ug/L		09/07/11 06:00	09/08/11 16:28	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Urea, triethyl-	7.1	J N	ug/L		7.65	19006-59-8	09/07/11 06:00	09/08/11 16:28	1
Unknown	4.0	J	ug/L		11.78		09/07/11 06:00	09/08/11 16:28	1
Unknown	25	J	ug/L		12.81		09/07/11 06:00	09/08/11 16:28	1
Unknown	14	J	ug/L		13.33		09/07/11 06:00	09/08/11 16:28	1
Unknown	35	J	ug/L		13.64		09/07/11 06:00	09/08/11 16:28	1
Unknown	7.3	J	ug/L		13.91		09/07/11 06:00	09/08/11 16:28	1
Unknown	29	J	ug/L		14.10		09/07/11 06:00	09/08/11 16:28	1
Unknown	23	J	ug/L		14.37		09/07/11 06:00	09/08/11 16:28	1
Unknown	9.4	J	ug/L		14.65		09/07/11 06:00	09/08/11 16:28	1
Unknown	34	J	ug/L		14.84		09/07/11 06:00	09/08/11 16:28	1
Unknown	38	J	ug/L		14.88		09/07/11 06:00	09/08/11 16:28	1
Unknown	9.0	J	ug/L		15.47		09/07/11 06:00	09/08/11 16:28	1
Unknown	34	J	ug/L		15.70		09/07/11 06:00	09/08/11 16:28	1
Unknown	4.8	J	ug/L		16.81		09/07/11 06:00	09/08/11 16:28	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	117		52 - 132	09/07/11 06:00	09/08/11 16:28	1
2-Fluorobiphenyl	88		48 - 120	09/07/11 06:00	09/08/11 16:28	1
2-Fluorophenol	38		20 - 120	09/07/11 06:00	09/08/11 16:28	1
Nitrobenzene-d5	71		46 - 120	09/07/11 06:00	09/08/11 16:28	1
p-Terphenyl-d14	94		24 - 136	09/07/11 06:00	09/08/11 16:28	1
Phenol-d5	28		16 - 120	09/07/11 06:00	09/08/11 16:28	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.067		0.0050	0.0030	mg/L		09/07/11 08:30	09/07/11 17:30	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW3D-110901

Lab Sample ID: 480-9354-4

Collected: 09/01/11 12:33

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
1,1,1-Trichloroethane	31		1.0	0.82	ug/L			09/06/11 18:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 18:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/06/11 18:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/06/11 18:01	1
1,1-Dichloroethane	150	E	1.0	0.38	ug/L			09/06/11 18:01	1
1,1-Dichloroethene	65		1.0	0.29	ug/L			09/06/11 18:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/06/11 18:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/06/11 18:01	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/06/11 18:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/06/11 18:01	1
1,2-Dichloroethane	28		1.0	0.21	ug/L			09/06/11 18:01	1
1,2-Dichloropropane	1.4		1.0	0.72	ug/L			09/06/11 18:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/06/11 18:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/06/11 18:01	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/06/11 18:01	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/06/11 18:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/06/11 18:01	1
Acetone	10	U	10	3.0	ug/L			09/06/11 18:01	1
Benzene	1.0	U	1.0	0.41	ug/L			09/06/11 18:01	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/06/11 18:01	1
Chloroform	1.0	U	1.0	0.26	ug/L			09/06/11 18:01	1
Chloromethane	1.0	U	1.0	0.69	ug/L			09/06/11 18:01	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/06/11 18:01	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/06/11 18:01	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/06/11 18:01	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/06/11 18:01	1
Chloroethane	2.1		1.0	0.32	ug/L			09/06/11 18:01	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/06/11 18:01	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/06/11 18:01	1
cis-1,2-Dichloroethene	0.93	J	1.0	0.81	ug/L			09/06/11 18:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/06/11 18:01	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/06/11 18:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/06/11 18:01	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/06/11 18:01	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/06/11 18:01	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			09/06/11 18:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/06/11 18:01	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/06/11 18:01	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/06/11 18:01	1
Styrene	1.0	U	1.0	0.73	ug/L			09/06/11 18:01	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/06/11 18:01	1
Toluene	1.0	U	1.0	0.51	ug/L			09/06/11 18:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/06/11 18:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/06/11 18:01	1
Trichloroethene	1.4		1.0	0.46	ug/L			09/06/11 18:01	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/06/11 18:01	1
Vinyl chloride	28		1.0	0.90	ug/L			09/06/11 18:01	1
Alkenes, Total	2.0	U	2.0	0.66	ug/L			09/06/11 18:01	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW3D-110901

Lab Sample ID: 480-9354-1

Date Collected: 09/01/11 12:33

Matrix: W

Date Received: 09/02/11 17:00

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3.4	J	ug/L		8.23			09/06/11 18:01	1
1,4-Dioxane	280		ug/L		9.98	123-91-1		09/06/11 18:01	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		66 - 137					09/06/11 18:01	1
Toluene-d8 (Surr)	95		71 - 126					09/06/11 18:01	1
4-Bromofluorobenzene (Surr)	85		73 - 120					09/06/11 18:01	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	32	D	4.0	3.3	ug/L			09/07/11 15:14	4
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.84	ug/L			09/07/11 15:14	4
1,1,2-Trichloroethane	4.0	U	4.0	0.92	ug/L			09/07/11 15:14	4
1,1,2-Trichloro-1,2,2-trifluoroethane	4.0	U	4.0	1.2	ug/L			09/07/11 15:14	4
1,1-Dichloroethane	160	D	4.0	1.5	ug/L			09/07/11 15:14	4
1,1-Dichloroethene	67	D	4.0	1.2	ug/L			09/07/11 15:14	4
1,2,4-Trichlorobenzene	4.0	U	4.0	1.6	ug/L			09/07/11 15:14	4
1,2-Dibromo-3-Chloropropane	4.0	U	4.0	1.6	ug/L			09/07/11 15:14	4
1,2-Dibromoethane	4.0	U	4.0	2.9	ug/L			09/07/11 15:14	4
1,2-Dichlorobenzene	4.0	U	4.0	3.2	ug/L			09/07/11 15:14	4
1,2-Dichloroethane	30	D	4.0	0.84	ug/L			09/07/11 15:14	4
1,2-Dichloropropane	4.0	U	4.0	2.9	ug/L			09/07/11 15:14	4
1,3-Dichlorobenzene	4.0	U	4.0	3.1	ug/L			09/07/11 15:14	4
1,4-Dichlorobenzene	4.0	U	4.0	3.4	ug/L			09/07/11 15:14	4
2-Hexanone	20	U	20	5.0	ug/L			09/07/11 15:14	4
2-Butanone (MEK)	40	U	40	5.3	ug/L			09/07/11 15:14	4
4-Methyl-2-pentanone (MIBK)	20	U	20	8.4	ug/L			09/07/11 15:14	4
Acetone	40	U	40	12	ug/L			09/07/11 15:14	4
Benzene	4.0	U	4.0	1.6	ug/L			09/07/11 15:14	4
Bromodichloromethane	4.0	U	4.0	1.6	ug/L			09/07/11 15:14	4
Bromoform	4.0	U	4.0	1.0	ug/L			09/07/11 15:14	4
Bromomethane	4.0	U	4.0	2.8	ug/L			09/07/11 15:14	4
Carbon disulfide	4.0	U	4.0	0.76	ug/L			09/07/11 15:14	4
Carbon tetrachloride	4.0	U	4.0	1.1	ug/L			09/07/11 15:14	4
Chlorobenzene	4.0	U	4.0	3.0	ug/L			09/07/11 15:14	4
Dibromochloromethane	4.0	U	4.0	1.3	ug/L			09/07/11 15:14	4
Chloroethane	2.5	J D	4.0	1.3	ug/L			09/07/11 15:14	4
Chloroform	4.0	U	4.0	1.4	ug/L			09/07/11 15:14	4
Chloromethane	4.0	U	4.0	1.4	ug/L			09/07/11 15:14	4
cis-1,2-Dichloroethene	4.0	U	4.0	3.2	ug/L			09/07/11 15:14	4
cis-1,3-Dichloropropene	4.0	U	4.0	1.4	ug/L			09/07/11 15:14	4
Cyclohexane	4.0	U	4.0	0.72	ug/L			09/07/11 15:14	4
Dichlorodifluoromethane	4.0	U	4.0	2.7	ug/L			09/07/11 15:14	4
Ethylbenzene	4.0	U	4.0	3.0	ug/L			09/07/11 15:14	4
Isopropylbenzene	4.0	U	4.0	3.2	ug/L			09/07/11 15:14	4
Methyl acetate	4.0	U	4.0	2.0	ug/L			09/07/11 15:14	4
Methyl tert-butyl ether	4.0	U	4.0	0.64	ug/L			09/07/11 15:14	4
Methylcyclohexane	4.0	U	4.0	0.64	ug/L			09/07/11 15:14	4
Methylene Chloride	4.0	U	4.0	1.8	ug/L			09/07/11 15:14	4
Styrene	4.0	U	4.0	2.9	ug/L			09/07/11 15:14	4
Tetrachloroethene	4.0	U	4.0	1.4	ug/L			09/07/11 15:14	4

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW3D-110901

Lab Sample ID: 480-9354-4

Collected: 09/01/11 12:33

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	4.0	U	4.0	2.0	ug/L			09/07/11 15:14	4
trans-1,2-Dichloroethene	4.0	U	4.0	3.6	ug/L			09/07/11 15:14	4
trans-1,3-Dichloropropene	4.0	U	4.0	1.5	ug/L			09/07/11 15:14	4
Trichloroethene	2.1	J D	4.0	1.8	ug/L			09/07/11 15:14	4
Trichlorofluoromethane	4.0	U	4.0	3.5	ug/L			09/07/11 15:14	4
Vinyl chloride	29	D	4.0	3.6	ug/L			09/07/11 15:14	4
Xylenes, Total	8.0	U	8.0	2.6	ug/L			09/07/11 15:14	4

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					09/07/11 15:14	4

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102	D	66 - 137		09/07/11 15:14	4
Toluene-d8 (Surr)	94	D	71 - 126		09/07/11 15:14	4
4-Bromofluorobenzene (Surr)	84	D	73 - 120		09/07/11 15:14	4

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.2	U	5.2	0.68	ug/L		09/07/11 06:00	09/08/11 16:52	1
bis (2-chloroisopropyl) ether	5.2	U	5.2	0.54	ug/L		09/07/11 06:00	09/08/11 16:52	1
2,4,5-Trichlorophenol	5.2	U	5.2	0.50	ug/L		09/07/11 06:00	09/08/11 16:52	1
5-Trichlorophenol	5.2	U	5.2	0.64	ug/L		09/07/11 06:00	09/08/11 16:52	1
2,4-Dichlorophenol	5.2	U	5.2	0.53	ug/L		09/07/11 06:00	09/08/11 16:52	1
2,4-Dimethylphenol	5.2	U	5.2	0.52	ug/L		09/07/11 06:00	09/08/11 16:52	1
2,4-Dinitrophenol	10	U	10	2.3	ug/L		09/07/11 06:00	09/08/11 16:52	1
2,4-Dinitrotoluene	5.2	U	5.2	0.47	ug/L		09/07/11 06:00	09/08/11 16:52	1
2,6-Dinitrotoluene	5.2	U	5.2	0.42	ug/L		09/07/11 06:00	09/08/11 16:52	1
2-Chloronaphthalene	5.2	U	5.2	0.48	ug/L		09/07/11 06:00	09/08/11 16:52	1
2-Chlorophenol	5.2	U	5.2	0.55	ug/L		09/07/11 06:00	09/08/11 16:52	1
2-Methylnaphthalene	5.2	U	5.2	0.63	ug/L		09/07/11 06:00	09/08/11 16:52	1
2-Methylphenol	5.2	U	5.2	0.42	ug/L		09/07/11 06:00	09/08/11 16:52	1
2-Nitroaniline	10	U	10	0.44	ug/L		09/07/11 06:00	09/08/11 16:52	1
2-Nitrophenol	5.2	U	5.2	0.50	ug/L		09/07/11 06:00	09/08/11 16:52	1
3,3'-Dichlorobenzidine	5.2	U	5.2	0.42	ug/L		09/07/11 06:00	09/08/11 16:52	1
3-Nitroaniline	10	U	10	0.50	ug/L		09/07/11 06:00	09/08/11 16:52	1
4,6-Dinitro-2-methylphenol	10	U	10	2.3	ug/L		09/07/11 06:00	09/08/11 16:52	1
4-Bromophenyl phenyl ether	5.2	U	5.2	0.47	ug/L		09/07/11 06:00	09/08/11 16:52	1
4-Chloro-3-methylphenol	5.2	U	5.2	0.47	ug/L		09/07/11 06:00	09/08/11 16:52	1
4-Chloroaniline	5.2	U	5.2	0.61	ug/L		09/07/11 06:00	09/08/11 16:52	1
4-Chlorophenyl phenyl ether	5.2	U	5.2	0.36	ug/L		09/07/11 06:00	09/08/11 16:52	1
4-Methylphenol	10	U	10	0.38	ug/L		09/07/11 06:00	09/08/11 16:52	1
4-Nitroaniline	10	U	10	0.26	ug/L		09/07/11 06:00	09/08/11 16:52	1
4-Nitrophenol	10	U	10	1.6	ug/L		09/07/11 06:00	09/08/11 16:52	1
Acenaphthene	2.7	J	5.2	0.43	ug/L		09/07/11 06:00	09/08/11 16:52	1
Acenaphthylene	5.2	U	5.2	0.40	ug/L		09/07/11 06:00	09/08/11 16:52	1
Acetophenone	5.2	U	5.2	0.56	ug/L		09/07/11 06:00	09/08/11 16:52	1
Anthracene	5.2	U	5.2	0.29	ug/L		09/07/11 06:00	09/08/11 16:52	1
Benzo(a)anthracene	5.2	U	5.2	0.38	ug/L		09/07/11 06:00	09/08/11 16:52	1
Benzo(a)pyrene	5.2	U	5.2	0.49	ug/L		09/07/11 06:00	09/08/11 16:52	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW3D-110901

Lab Sample ID: 480-9354-4

Date Collected: 09/01/11 12:33

Matrix: W

Date Received: 09/02/11 17:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(b)fluoranthene	5.2	U	5.2	0.35	ug/L		09/07/11 06:00	09/08/11 16:52	1
Benzo(g,h,i)perylene	5.2	U	5.2	0.36	ug/L		09/07/11 06:00	09/08/11 16:52	1
Benzo(k)fluoranthene	5.2	U	5.2	0.76	ug/L		09/07/11 06:00	09/08/11 16:52	1
Bis(2-chloroethoxy)methane	5.2	U	5.2	0.36	ug/L		09/07/11 06:00	09/08/11 16:52	1
Bis(2-chloroethyl)ether	5.2	U	5.2	0.42	ug/L		09/07/11 06:00	09/08/11 16:52	1
Bis(2-ethylhexyl) phthalate	5.2	U	5.2	1.9	ug/L		09/07/11 06:00	09/08/11 16:52	1
Butyl benzyl phthalate	5.2	U	5.2	0.44	ug/L		09/07/11 06:00	09/08/11 16:52	1
Caprolactam	5.2	U	5.2	2.3	ug/L		09/07/11 06:00	09/08/11 16:52	1
Carbazole	1.7	J	5.2	0.31	ug/L		09/07/11 06:00	09/08/11 16:52	1
Chrysene	5.2	U	5.2	0.34	ug/L		09/07/11 06:00	09/08/11 16:52	1
Di-n-butyl phthalate	0.57	J	5.2	0.32	ug/L		09/07/11 06:00	09/08/11 16:52	1
Di-n-octyl phthalate	5.2	U	5.2	0.49	ug/L		09/07/11 06:00	09/08/11 16:52	1
Dibenz(a,h)anthracene	5.2	U	5.2	0.44	ug/L		09/07/11 06:00	09/08/11 16:52	1
Dibenzofuran	1.3	J	10	0.53	ug/L		09/07/11 06:00	09/08/11 16:52	1
Diethyl phthalate	0.52	J	5.2	0.23	ug/L		09/07/11 06:00	09/08/11 16:52	1
Dimethyl phthalate	5.2	U	5.2	0.38	ug/L		09/07/11 06:00	09/08/11 16:52	1
Fluoranthene	5.2	U	5.2	0.42	ug/L		09/07/11 06:00	09/08/11 16:52	1
Fluorene	0.75	J	5.2	0.38	ug/L		09/07/11 06:00	09/08/11 16:52	1
Hexachlorobenzene	5.2	U	5.2	0.53	ug/L		09/07/11 06:00	09/08/11 16:52	1
Hexachlorobutadiene	5.2	U	5.2	0.71	ug/L		09/07/11 06:00	09/08/11 16:52	1
Hexachlorocyclopentadiene	5.2	U	5.2	0.61	ug/L		09/07/11 06:00	09/08/11 16:52	1
Hexachloroethane	5.2	U	5.2	0.61	ug/L		09/07/11 06:00	09/08/11 16:52	1
Indeno(1,2,3-cd)pyrene	5.2	U	5.2	0.49	ug/L		09/07/11 06:00	09/08/11 16:52	1
Isophorone	5.2	U	5.2	0.45	ug/L		09/07/11 06:00	09/08/11 16:52	1
N-Nitrosodi-n-propylamine	5.2	U	5.2	0.56	ug/L		09/07/11 06:00	09/08/11 16:52	1
N-Nitrosodiphenylamine	5.2	U	5.2	0.53	ug/L		09/07/11 06:00	09/08/11 16:52	1
Naphthalene	5.2	U	5.2	0.79	ug/L		09/07/11 06:00	09/08/11 16:52	1
Nitrobenzene	5.2	U	5.2	0.30	ug/L		09/07/11 06:00	09/08/11 16:52	1
Pentachlorophenol	10	U	10	2.3	ug/L		09/07/11 06:00	09/08/11 16:52	1
Phenanthrene	5.2	U	5.2	0.46	ug/L		09/07/11 06:00	09/08/11 16:52	1
Phenol	5.2	U	5.2	0.41	ug/L		09/07/11 06:00	09/08/11 16:52	1
Pyrene	5.2	U	5.2	0.35	ug/L		09/07/11 06:00	09/08/11 16:52	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	6.8	J	ug/L		5.40		09/07/11 06:00	09/08/11 16:52	1
Urea, tetraethyl-	770	J N	ug/L		7.69	1187-3-7	09/07/11 06:00	09/08/11 16:52	1
1,4-Benzenediamine, N,N-dimethyl-	8.7	J N	ug/L		8.95	99-98-9	09/07/11 06:00	09/08/11 16:52	1
Unknown	5.5	J	ug/L		9.48		09/07/11 06:00	09/08/11 16:52	1
Unknown	5.5	J	ug/L		11.08		09/07/11 06:00	09/08/11 16:52	1
Unknown	13	J	ug/L		11.78		09/07/11 06:00	09/08/11 16:52	1
Unknown	35	J	ug/L		12.81		09/07/11 06:00	09/08/11 16:52	1
Unknown	15	J	ug/L		13.33		09/07/11 06:00	09/08/11 16:52	1
Unknown	8.8	J	ug/L		13.54		09/07/11 06:00	09/08/11 16:52	1
Unknown	31	J	ug/L		13.63		09/07/11 06:00	09/08/11 16:52	1
Unknown	7.4	J	ug/L		13.91		09/07/11 06:00	09/08/11 16:52	1
Unknown	32	J	ug/L		14.10		09/07/11 06:00	09/08/11 16:52	1
Unknown	10	J	ug/L		14.25		09/07/11 06:00	09/08/11 16:52	1
Unknown	24	J	ug/L		14.37		09/07/11 06:00	09/08/11 16:52	1
Unknown	8.6	J	ug/L		14.65		09/07/11 06:00	09/08/11 16:52	1
Unknown	38	J	ug/L		14.84		09/07/11 06:00	09/08/11 16:52	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW3D-110901

Lab Sample ID: 480-9354-4

Collected: 09/01/11 12:33

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	62	J	ug/L		14.88		09/07/11 06:00	09/08/11 16:52	1
Unknown	12	J	ug/L		15.47		09/07/11 06:00	09/08/11 16:52	1
Unknown	33	J	ug/L		15.70		09/07/11 06:00	09/08/11 16:52	1
Unknown	35	J	ug/L		16.85		09/07/11 06:00	09/08/11 16:52	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	119		52 - 132	09/07/11 06:00	09/08/11 16:52	1
2-Fluorobiphenyl	102		48 - 120	09/07/11 06:00	09/08/11 16:52	1
2-Fluorophenol	51		20 - 120	09/07/11 06:00	09/08/11 16:52	1
Nitrobenzene-d5	92		46 - 120	09/07/11 06:00	09/08/11 16:52	1
p-Terphenyl-d14	90		24 - 136	09/07/11 06:00	09/08/11 16:52	1
Phenol-d5	38		16 - 120	09/07/11 06:00	09/08/11 16:52	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0050	U	0.0050	0.0030	mg/L		09/07/11 08:30	09/07/11 17:32	1

Client Sample ID: MW9D-110902

Lab Sample ID: 480-9354-5

Date Collected: 09/02/11 08:13

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.0	U	4.0	3.3	ug/L			09/06/11 18:27	4
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.84	ug/L			09/06/11 18:27	4
1,1,2-Trichloroethane	4.0	U	4.0	0.92	ug/L			09/06/11 18:27	4
1,1,2-Trichloro-1,2,2-trifluoroethane	4.0	U	4.0	1.2	ug/L			09/06/11 18:27	4
1,1-Dichloroethane	4.0	U	4.0	1.5	ug/L			09/06/11 18:27	4
1,1-Dichloroethene	4.0	U	4.0	1.2	ug/L			09/06/11 18:27	4
1,2,4-Trichlorobenzene	4.0	U	4.0	1.6	ug/L			09/06/11 18:27	4
1,2-Dibromo-3-Chloropropane	4.0	U	4.0	1.6	ug/L			09/06/11 18:27	4
1,2-Dibromoethane	4.0	U	4.0	2.9	ug/L			09/06/11 18:27	4
1,2-Dichlorobenzene	4.0	U	4.0	3.2	ug/L			09/06/11 18:27	4
1,2-Dichloroethane	4.0	U	4.0	0.84	ug/L			09/06/11 18:27	4
1,2-Dichloropropane	4.0	U	4.0	2.9	ug/L			09/06/11 18:27	4
1,3-Dichlorobenzene	4.0	U	4.0	3.1	ug/L			09/06/11 18:27	4
1,4-Dichlorobenzene	5.8		4.0	3.4	ug/L			09/06/11 18:27	4
2-Hexanone	20	U	20	5.0	ug/L			09/06/11 18:27	4
2-Butanone (MEK)	40	U	40	5.3	ug/L			09/06/11 18:27	4
4-Methyl-2-pentanone (MIBK)	20	U	20	8.4	ug/L			09/06/11 18:27	4
Acetone	40	U	40	12	ug/L			09/06/11 18:27	4
Benzene	4.0	U	4.0	1.6	ug/L			09/06/11 18:27	4
Bromodichloromethane	3.5	J	4.0	1.6	ug/L			09/06/11 18:27	4
Bromoform	4.0	U	4.0	1.0	ug/L			09/06/11 18:27	4
Bromomethane	4.0	U	4.0	2.8	ug/L			09/06/11 18:27	4
Carbon disulfide	4.0	U	4.0	0.76	ug/L			09/06/11 18:27	4
Carbon tetrachloride	4.0	U	4.0	1.1	ug/L			09/06/11 18:27	4
Chlorobenzene	370		4.0	3.0	ug/L			09/06/11 18:27	4
Dibromochloromethane	4.0	U	4.0	1.3	ug/L			09/06/11 18:27	4

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW9D-110902

Lab Sample ID: 480-9354-5

Date Collected: 09/02/11 08:13

Matrix: W

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	4.0	U	4.0	1.3	ug/L			09/06/11 18:27	4
Chloroform	190		4.0	1.4	ug/L			09/06/11 18:27	4
Chloromethane	4.0	U	4.0	1.4	ug/L			09/06/11 18:27	4
cis-1,2-Dichloroethene	4.0	U	4.0	3.2	ug/L			09/06/11 18:27	4
cis-1,3-Dichloropropene	4.0	U	4.0	1.4	ug/L			09/06/11 18:27	4
Cyclohexane	6.1		4.0	0.72	ug/L			09/06/11 18:27	4
Dichlorodifluoromethane	4.0	U	4.0	2.7	ug/L			09/06/11 18:27	4
Ethylbenzene	290		4.0	3.0	ug/L			09/06/11 18:27	4
Isopropylbenzene	52		4.0	3.2	ug/L			09/06/11 18:27	4
Methyl acetate	4.0	U	4.0	2.0	ug/L			09/06/11 18:27	4
Methyl tert-butyl ether	4.0	U	4.0	0.64	ug/L			09/06/11 18:27	4
Methylcyclohexane	16		4.0	0.64	ug/L			09/06/11 18:27	4
Methylene Chloride	54		4.0	1.8	ug/L			09/06/11 18:27	4
Styrene	4.0	U	4.0	2.9	ug/L			09/06/11 18:27	4
Tetrachloroethene	4.0	U	4.0	1.4	ug/L			09/06/11 18:27	4
Toluene	25		4.0	2.0	ug/L			09/06/11 18:27	4
trans-1,2-Dichloroethene	4.0	U	4.0	3.6	ug/L			09/06/11 18:27	4
trans-1,3-Dichloropropene	4.0	U	4.0	1.5	ug/L			09/06/11 18:27	4
Trichloroethene	4.0		4.0	1.8	ug/L			09/06/11 18:27	4
Trichlorofluoromethane	4.0	U	4.0	3.5	ug/L			09/06/11 18:27	4
Vinyl chloride	4.0	U	4.0	3.6	ug/L			09/06/11 18:27	4
Xylenes, Total	1400	E	8.0	2.6	ug/L			09/06/11 18:27	4

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Hexane	4.8	J	ug/L		7.77	110-54-3		09/06/11 18:27	4
1,4-Dioxane	140	J	ug/L		9.98	123-91-1		09/06/11 18:27	4
Pentane, 1-chloro-	130	J N	ug/L		10.43	543-59-9		09/06/11 18:27	4
N-Propylbenzene	17		ug/L		12.92	103-65-1		09/06/11 18:27	4
Unknown	230	J	ug/L		13.78			09/06/11 18:27	4

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		09/06/11 18:27	4
Toluene-d8 (Surr)	96		71 - 126		09/06/11 18:27	4
4-Bromofluorobenzene (Surr)	90		73 - 120		09/06/11 18:27	4

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	10	U	10	8.2	ug/L			09/08/11 12:45	10
1,1,2,2-Tetrachloroethane	10	U	10	2.1	ug/L			09/08/11 12:45	10
1,1,2-Trichloroethane	10	U	10	2.3	ug/L			09/08/11 12:45	10
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	3.1	ug/L			09/08/11 12:45	10
1,1-Dichloroethane	10	U	10	3.8	ug/L			09/08/11 12:45	10
1,1-Dichloroethene	10	U	10	2.9	ug/L			09/08/11 12:45	10
1,2,4-Trichlorobenzene	10	U	10	4.1	ug/L			09/08/11 12:45	10
1,2-Dibromo-3-Chloropropane	10	U	10	3.9	ug/L			09/08/11 12:45	10
1,2-Dibromoethane	10	U	10	7.3	ug/L			09/08/11 12:45	10
1,2-Dichlorobenzene	10	U	10	7.9	ug/L			09/08/11 12:45	10
1,2-Dichloroethane	10	U	10	2.1	ug/L			09/08/11 12:45	10
1,2-Dichloropropane	10	U	10	7.2	ug/L			09/08/11 12:45	10
1,3-Dichlorobenzene	10	U	10	7.8	ug/L			09/08/11 12:45	10
1,4-Dichlorobenzene	10	U	10	8.4	ug/L			09/08/11 12:45	10

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW9D-110902

Lab Sample ID: 480-9354-5

Collected: 09/02/11 08:13

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	50	U	50	12	ug/L			09/08/11 12:45	10
2-Butanone (MEK)	100	U	100	13	ug/L			09/08/11 12:45	10
4-Methyl-2-pentanone (MIBK)	50	U	50	21	ug/L			09/08/11 12:45	10
Acetone	100	U	100	30	ug/L			09/08/11 12:45	10
Benzene	10	U	10	4.1	ug/L			09/08/11 12:45	10
Bromodichloromethane	10	U	10	3.9	ug/L			09/08/11 12:45	10
Bromoform	10	U	10	2.6	ug/L			09/08/11 12:45	10
Bromomethane	10	U	10	6.9	ug/L			09/08/11 12:45	10
Carbon disulfide	10	U	10	1.9	ug/L			09/08/11 12:45	10
Carbon tetrachloride	10	U	10	2.7	ug/L			09/08/11 12:45	10
Chlorobenzene	380	D	10	7.5	ug/L			09/08/11 12:45	10
Dibromochloromethane	10	U	10	3.2	ug/L			09/08/11 12:45	10
Chloroethane	10	U	10	3.2	ug/L			09/08/11 12:45	10
Chloroform	210	D	10	3.4	ug/L			09/08/11 12:45	10
Chloromethane	10	U	10	3.5	ug/L			09/08/11 12:45	10
cis-1,2-Dichloroethene	10	U	10	8.1	ug/L			09/08/11 12:45	10
cis-1,3-Dichloropropene	10	U	10	3.6	ug/L			09/08/11 12:45	10
Cyclohexane	5.6	J D	10	1.8	ug/L			09/08/11 12:45	10
Dichlorodifluoromethane	10	U	10	6.8	ug/L			09/08/11 12:45	10
Ethylbenzene	290	D	10	7.4	ug/L			09/08/11 12:45	10
Isopropylbenzene	51	D	10	7.9	ug/L			09/08/11 12:45	10
Methyl acetate	10	U	10	5.0	ug/L			09/08/11 12:45	10
Methyl tert-butyl ether	10	U	10	1.6	ug/L			09/08/11 12:45	10
Methylcyclohexane	16	D	10	1.6	ug/L			09/08/11 12:45	10
Methylene Chloride	58	D	10	4.4	ug/L			09/08/11 12:45	10
Styrene	10	U	10	7.3	ug/L			09/08/11 12:45	10
Tetrachloroethene	10	U	10	3.6	ug/L			09/08/11 12:45	10
Toluene	26	D	10	5.1	ug/L			09/08/11 12:45	10
trans-1,2-Dichloroethene	10	U	10	9.0	ug/L			09/08/11 12:45	10
trans-1,3-Dichloropropene	10	U	10	3.7	ug/L			09/08/11 12:45	10
Trichloroethene	5.3	J D	10	4.6	ug/L			09/08/11 12:45	10
Trichlorofluoromethane	10	U	10	8.8	ug/L			09/08/11 12:45	10
Vinyl chloride	10	U	10	9.0	ug/L			09/08/11 12:45	10
Xylenes, Total	1400	D	20	6.6	ug/L			09/08/11 12:45	10

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Pentane, 1-chloro-	120	D J N	ug/L		10.43	543-59-9		09/08/11 12:45	10
Pentane, 1,1"-oxybis-	210	D J N	ug/L		13.80	693-65-2		09/08/11 12:45	10

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98	D	66 - 137		09/08/11 12:45	10
Toluene-d8 (Surr)	95	D	71 - 126		09/08/11 12:45	10
4-Bromofluorobenzene (Surr)	92	D	73 - 120		09/08/11 12:45	10

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.6	U	5.6	0.73	ug/L		09/07/11 06:00	09/08/11 17:16	1
(2-chloroisopropyl) ether	5.6	U	5.6	0.58	ug/L		09/07/11 06:00	09/08/11 17:16	1
2,5-Trichlorophenol	5.6	U	5.6	0.54	ug/L		09/07/11 06:00	09/08/11 17:16	1
2,4,6-Trichlorophenol	5.6	U	5.6	0.69	ug/L		09/07/11 06:00	09/08/11 17:16	1
2,4-Dichlorophenol	5.6	U	5.6	0.57	ug/L		09/07/11 06:00	09/08/11 17:16	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW9D-110902

Lab Sample ID: 480-9354-5

Date Collected: 09/02/11 08:13

Matrix: W

Date Received: 09/02/11 17:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	0.95	J	5.6	0.56	ug/L		09/07/11 06:00	09/08/11 17:16	1
2,4-Dinitrophenol	11	U	11	2.5	ug/L		09/07/11 06:00	09/08/11 17:16	1
2,4-Dinitrotoluene	5.6	U	5.6	0.50	ug/L		09/07/11 06:00	09/08/11 17:16	1
2,6-Dinitrotoluene	5.6	U	5.6	0.45	ug/L		09/07/11 06:00	09/08/11 17:16	1
2-Chloronaphthalene	5.6	U	5.6	0.52	ug/L		09/07/11 06:00	09/08/11 17:16	1
2-Chlorophenol	5.6	U	5.6	0.60	ug/L		09/07/11 06:00	09/08/11 17:16	1
2-Methylnaphthalene	5.6	U	5.6	0.67	ug/L		09/07/11 06:00	09/08/11 17:16	1
2-Methylphenol	5.6	U	5.6	0.45	ug/L		09/07/11 06:00	09/08/11 17:16	1
2-Nitroaniline	11	U	11	0.47	ug/L		09/07/11 06:00	09/08/11 17:16	1
2-Nitrophenol	5.6	U	5.6	0.54	ug/L		09/07/11 06:00	09/08/11 17:16	1
3,3'-Dichlorobenzidine	5.6	U	5.6	0.45	ug/L		09/07/11 06:00	09/08/11 17:16	1
3-Nitroaniline	11	U	11	0.54	ug/L		09/07/11 06:00	09/08/11 17:16	1
4,6-Dinitro-2-methylphenol	11	U	11	2.5	ug/L		09/07/11 06:00	09/08/11 17:16	1
4-Bromophenyl phenyl ether	5.6	U	5.6	0.51	ug/L		09/07/11 06:00	09/08/11 17:16	1
4-Chloro-3-methylphenol	5.6	U	5.6	0.51	ug/L		09/07/11 06:00	09/08/11 17:16	1
4-Chloroaniline	5.6	U	5.6	0.66	ug/L		09/07/11 06:00	09/08/11 17:16	1
4-Chlorophenyl phenyl ether	5.6	U	5.6	0.39	ug/L		09/07/11 06:00	09/08/11 17:16	1
4-Methylphenol	11	U	11	0.40	ug/L		09/07/11 06:00	09/08/11 17:16	1
4-Nitroaniline	11	U	11	0.28	ug/L		09/07/11 06:00	09/08/11 17:16	1
4-Nitrophenol	11	U	11	1.7	ug/L		09/07/11 06:00	09/08/11 17:16	1
Acenaphthene	0.60	J	5.6	0.46	ug/L		09/07/11 06:00	09/08/11 17:16	1
Acenaphthylene	5.6	U	5.6	0.43	ug/L		09/07/11 06:00	09/08/11 17:16	1
Acetophenone	2.7	J	5.6	0.61	ug/L		09/07/11 06:00	09/08/11 17:16	1
Anthracene	5.6	U	5.6	0.31	ug/L		09/07/11 06:00	09/08/11 17:16	1
Atrazine	5.6	U *	5.6	0.52	ug/L		09/07/11 06:00	09/08/11 17:16	1
Benzaldehyde	5.6	U	5.6	0.30	ug/L		09/07/11 06:00	09/08/11 17:16	1
Benzo(a)anthracene	5.6	U	5.6	0.40	ug/L		09/07/11 06:00	09/08/11 17:16	1
Benzo(a)pyrene	5.6	U	5.6	0.53	ug/L		09/07/11 06:00	09/08/11 17:16	1
Benzo(b)fluoranthene	5.6	U	5.6	0.38	ug/L		09/07/11 06:00	09/08/11 17:16	1
Benzo(g,h,i)perylene	5.6	U	5.6	0.39	ug/L		09/07/11 06:00	09/08/11 17:16	1
Benzo(k)fluoranthene	5.6	U	5.6	0.82	ug/L		09/07/11 06:00	09/08/11 17:16	1
Bis(2-chloroethoxy)methane	5.6	U	5.6	0.39	ug/L		09/07/11 06:00	09/08/11 17:16	1
Bis(2-chloroethyl)ether	5.6	U	5.6	0.45	ug/L		09/07/11 06:00	09/08/11 17:16	1
Bis(2-ethylhexyl) phthalate	5.6	U	5.6	2.0	ug/L		09/07/11 06:00	09/08/11 17:16	1
Butyl benzyl phthalate	5.6	U	5.6	0.47	ug/L		09/07/11 06:00	09/08/11 17:16	1
Caprolactam	5.6	U	5.6	2.5	ug/L		09/07/11 06:00	09/08/11 17:16	1
Carbazole	5.6	U	5.6	0.34	ug/L		09/07/11 06:00	09/08/11 17:16	1
Chrysene	5.6	U	5.6	0.37	ug/L		09/07/11 06:00	09/08/11 17:16	1
Di-n-butyl phthalate	5.6	U	5.6	0.35	ug/L		09/07/11 06:00	09/08/11 17:16	1
Di-n-octyl phthalate	5.6	U	5.6	0.53	ug/L		09/07/11 06:00	09/08/11 17:16	1
Dibenz(a,h)anthracene	5.6	U	5.6	0.47	ug/L		09/07/11 06:00	09/08/11 17:16	1
Dibenzofuran	11	U	11	0.57	ug/L		09/07/11 06:00	09/08/11 17:16	1
Diethyl phthalate	5.6	U	5.6	0.25	ug/L		09/07/11 06:00	09/08/11 17:16	1
Dimethyl phthalate	5.6	U	5.6	0.40	ug/L		09/07/11 06:00	09/08/11 17:16	1
Fluoranthene	5.6	U	5.6	0.45	ug/L		09/07/11 06:00	09/08/11 17:16	1
Fluorene	5.6	U	5.6	0.40	ug/L		09/07/11 06:00	09/08/11 17:16	1
Hexachlorobenzene	5.6	U	5.6	0.57	ug/L		09/07/11 06:00	09/08/11 17:16	1
Hexachlorobutadiene	5.6	U	5.6	0.76	ug/L		09/07/11 06:00	09/08/11 17:16	1
Hexachlorocyclopentadiene	5.6	U	5.6	0.66	ug/L		09/07/11 06:00	09/08/11 17:16	1
Hexachloroethane	5.6	U	5.6	0.66	ug/L		09/07/11 06:00	09/08/11 17:16	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW9D-110902

Lab Sample ID: 480-9354-5

Collected: 09/02/11 08:13

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno(1,2,3-cd)pyrene	5.6	U	5.6	0.53	ug/L		09/07/11 06:00	09/08/11 17:16	1
Isophorone	5.6	U	5.6	0.48	ug/L		09/07/11 06:00	09/08/11 17:16	1
N-Nitrosodi-n-propylamine	5.6	U	5.6	0.61	ug/L		09/07/11 06:00	09/08/11 17:16	1
N-Nitrosodiphenylamine	5.6	U	5.6	0.57	ug/L		09/07/11 06:00	09/08/11 17:16	1
Naphthalene	0.92	J	5.6	0.85	ug/L		09/07/11 06:00	09/08/11 17:16	1
Nitrobenzene	5.6	U	5.6	0.33	ug/L		09/07/11 06:00	09/08/11 17:16	1
Pentachlorophenol	11	U	11	2.5	ug/L		09/07/11 06:00	09/08/11 17:16	1
Phenanthrene	5.6	U	5.6	0.49	ug/L		09/07/11 06:00	09/08/11 17:16	1
Phenol	5.6	U	5.6	0.44	ug/L		09/07/11 06:00	09/08/11 17:16	1
Pyrene	5.6	U	5.6	0.38	ug/L		09/07/11 06:00	09/08/11 17:16	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Pentane, 1-chloro-	24	J N	ug/L		2.43	543-59-9	09/07/11 06:00	09/08/11 17:16	1
Benzene, chloro-	120	J N	ug/L		3.73	108-90-7	09/07/11 06:00	09/08/11 17:16	1
Ethylbenzene	120	J N	ug/L		3.94	100-41-4	09/07/11 06:00	09/08/11 17:16	1
Unknown	170	J	ug/L		4.38		09/07/11 06:00	09/08/11 17:16	1
Unknown	27	J	ug/L		4.80		09/07/11 06:00	09/08/11 17:16	1
Pyridine, 2-chloro-	68	J N	ug/L		4.89	109-9-1	09/07/11 06:00	09/08/11 17:16	1
Unknown	140	J	ug/L		6.52		09/07/11 06:00	09/08/11 17:16	1
Urea, N,N"-dimethyl-N,N"-diphenyl-	17	J N	ug/L		11.75	611-92-7	09/07/11 06:00	09/08/11 17:16	1
N,N-Diethylcarbanilide	76	J N	ug/L		11.97	1000132-72-7	09/07/11 06:00	09/08/11 17:16	1
Unknown	24	J	ug/L		12.81		09/07/11 06:00	09/08/11 17:16	1
Hexadecanoic acid, butyl ester	37	J N	ug/L		12.97	111-6-8	09/07/11 06:00	09/08/11 17:16	1
Unknown	36	J	ug/L		13.59		09/07/11 06:00	09/08/11 17:16	1
Unknown	22	J	ug/L		13.64		09/07/11 06:00	09/08/11 17:16	1
Unknown	32	J	ug/L		14.10		09/07/11 06:00	09/08/11 17:16	1
Unknown	21	J	ug/L		14.24		09/07/11 06:00	09/08/11 17:16	1
Unknown	57	J	ug/L		14.37		09/07/11 06:00	09/08/11 17:16	1
Unknown	39	J	ug/L		14.84		09/07/11 06:00	09/08/11 17:16	1
Unknown	21	J	ug/L		14.88		09/07/11 06:00	09/08/11 17:16	1
Unknown	16	J	ug/L		15.47		09/07/11 06:00	09/08/11 17:16	1
Unknown	35	J	ug/L		15.70		09/07/11 06:00	09/08/11 17:16	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	125		52 - 132	09/07/11 06:00	09/08/11 17:16	1
2-Fluorobiphenyl	90		48 - 120	09/07/11 06:00	09/08/11 17:16	1
2-Fluorophenol	43		20 - 120	09/07/11 06:00	09/08/11 17:16	1
Nitrobenzene-d5	72		46 - 120	09/07/11 06:00	09/08/11 17:16	1
p-Terphenyl-d14	103		24 - 136	09/07/11 06:00	09/08/11 17:16	1
Phenol-d5	34		16 - 120	09/07/11 06:00	09/08/11 17:16	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0039	J	0.0050	0.0030	mg/L		09/07/11 08:30	09/07/11 17:35	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW7D-110902

Lab Sample ID: 480-9354-6

Date Collected: 09/02/11 12:10

Matrix: W

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.5		1.0	0.82	ug/L			09/06/11 18:52	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 18:52	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/06/11 18:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/06/11 18:52	1
1,1-Dichloroethane	22		1.0	0.38	ug/L			09/06/11 18:52	1
1,1-Dichloroethene	3.0		1.0	0.29	ug/L			09/06/11 18:52	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/06/11 18:52	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/06/11 18:52	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/06/11 18:52	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/06/11 18:52	1
1,2-Dichloroethane	0.95	J	1.0	0.21	ug/L			09/06/11 18:52	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/06/11 18:52	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/06/11 18:52	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/06/11 18:52	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/06/11 18:52	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/06/11 18:52	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/06/11 18:52	1
Acetone	10	U	10	3.0	ug/L			09/06/11 18:52	1
Benzene	1.0	U	1.0	0.41	ug/L			09/06/11 18:52	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/06/11 18:52	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/06/11 18:52	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/06/11 18:52	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/06/11 18:52	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/06/11 18:52	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/06/11 18:52	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/06/11 18:52	1
Chloroethane	4.4		1.0	0.32	ug/L			09/06/11 18:52	1
Chloroform	0.50	J	1.0	0.34	ug/L			09/06/11 18:52	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/06/11 18:52	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/06/11 18:52	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/06/11 18:52	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/06/11 18:52	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/06/11 18:52	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/06/11 18:52	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/06/11 18:52	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			09/06/11 18:52	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/06/11 18:52	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/06/11 18:52	1
Methylene Chloride	0.61	J	1.0	0.44	ug/L			09/06/11 18:52	1
Styrene	1.0	U	1.0	0.73	ug/L			09/06/11 18:52	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/06/11 18:52	1
Toluene	1.0	U	1.0	0.51	ug/L			09/06/11 18:52	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/06/11 18:52	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/06/11 18:52	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/06/11 18:52	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/06/11 18:52	1
Vinyl chloride	1.5		1.0	0.90	ug/L			09/06/11 18:52	1
Xylenes, Total	0.69	J	2.0	0.66	ug/L			09/06/11 18:52	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW7D-110902

Lab Sample ID: 480-9354-6

Collected: 09/02/11 12:10

Matrix: Water

Date Received: 09/02/11 17:00

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3.7	J	ug/L		8.25			09/06/11 18:52	1
1,4-Dioxane	46		ug/L		9.98	123-91-1		09/06/11 18:52	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137					09/06/11 18:52	1
Toluene-d8 (Surr)	89		71 - 126					09/06/11 18:52	1
4-Bromofluorobenzene (Surr)	80		73 - 120					09/06/11 18:52	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.4	U	5.4	0.71	ug/L		09/07/11 06:00	09/08/11 17:39	1
bis (2-chloroisopropyl) ether	5.4	U	5.4	0.57	ug/L		09/07/11 06:00	09/08/11 17:39	1
2,4,5-Trichlorophenol	5.4	U	5.4	0.52	ug/L		09/07/11 06:00	09/08/11 17:39	1
2,4,6-Trichlorophenol	5.4	U	5.4	0.66	ug/L		09/07/11 06:00	09/08/11 17:39	1
2,4-Dichlorophenol	5.4	U	5.4	0.55	ug/L		09/07/11 06:00	09/08/11 17:39	1
2,4-Dimethylphenol	5.4	U	5.4	0.54	ug/L		09/07/11 06:00	09/08/11 17:39	1
2,4-Dinitrophenol	11	U	11	2.4	ug/L		09/07/11 06:00	09/08/11 17:39	1
2,4-Dinitrotoluene	5.4	U	5.4	0.49	ug/L		09/07/11 06:00	09/08/11 17:39	1
2,6-Dinitrotoluene	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 17:39	1
2-Chloronaphthalene	5.4	U	5.4	0.50	ug/L		09/07/11 06:00	09/08/11 17:39	1
2-Chlorophenol	5.4	U	5.4	0.58	ug/L		09/07/11 06:00	09/08/11 17:39	1
2-Methylnaphthalene	5.4	U	5.4	0.65	ug/L		09/07/11 06:00	09/08/11 17:39	1
2-Methylphenol	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 17:39	1
2-Nitroaniline	11	U	11	0.46	ug/L		09/07/11 06:00	09/08/11 17:39	1
2-Nitrophenol	5.4	U	5.4	0.52	ug/L		09/07/11 06:00	09/08/11 17:39	1
3,3'-Dichlorobenzidine	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 17:39	1
3-Nitroaniline	11	U	11	0.52	ug/L		09/07/11 06:00	09/08/11 17:39	1
4,6-Dinitro-2-methylphenol	11	U	11	2.4	ug/L		09/07/11 06:00	09/08/11 17:39	1
4-Bromophenyl phenyl ether	5.4	U	5.4	0.49	ug/L		09/07/11 06:00	09/08/11 17:39	1
4-Chloro-3-methylphenol	5.4	U	5.4	0.49	ug/L		09/07/11 06:00	09/08/11 17:39	1
4-Chloroaniline	5.4	U	5.4	0.64	ug/L		09/07/11 06:00	09/08/11 17:39	1
4-Chlorophenyl phenyl ether	5.4	U	5.4	0.38	ug/L		09/07/11 06:00	09/08/11 17:39	1
4-Methylphenol	11	U	11	0.39	ug/L		09/07/11 06:00	09/08/11 17:39	1
4-Nitroaniline	11	U	11	0.27	ug/L		09/07/11 06:00	09/08/11 17:39	1
4-Nitrophenol	11	U	11	1.7	ug/L		09/07/11 06:00	09/08/11 17:39	1
Acenaphthene	3.4	J	5.4	0.45	ug/L		09/07/11 06:00	09/08/11 17:39	1
Acenaphthylene	5.4	U	5.4	0.41	ug/L		09/07/11 06:00	09/08/11 17:39	1
Acetophenone	5.4	U	5.4	0.59	ug/L		09/07/11 06:00	09/08/11 17:39	1
Anthracene	5.4	U	5.4	0.30	ug/L		09/07/11 06:00	09/08/11 17:39	1
Atrazine	5.4	U*	5.4	0.50	ug/L		09/07/11 06:00	09/08/11 17:39	1
Benzaldehyde	5.4	U	5.4	0.29	ug/L		09/07/11 06:00	09/08/11 17:39	1
Benzo(a)anthracene	5.4	U	5.4	0.39	ug/L		09/07/11 06:00	09/08/11 17:39	1
Benzo(a)pyrene	5.4	U	5.4	0.51	ug/L		09/07/11 06:00	09/08/11 17:39	1
Benzo(b)fluoranthene	5.4	U	5.4	0.37	ug/L		09/07/11 06:00	09/08/11 17:39	1
Benzo(g,h,i)perylene	5.4	U	5.4	0.38	ug/L		09/07/11 06:00	09/08/11 17:39	1
Benzo(k)fluoranthene	5.4	U	5.4	0.79	ug/L		09/07/11 06:00	09/08/11 17:39	1
Bis(2-chloroethoxy)methane	5.4	U	5.4	0.38	ug/L		09/07/11 06:00	09/08/11 17:39	1
Bis(2-chloroethyl)ether	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 17:39	1
Bis(2-ethylhexyl) phthalate	5.4	U	5.4	2.0	ug/L		09/07/11 06:00	09/08/11 17:39	1
Butyl benzyl phthalate	5.4	U	5.4	0.46	ug/L		09/07/11 06:00	09/08/11 17:39	1
Caprolactam	5.4	U	5.4	2.4	ug/L		09/07/11 06:00	09/08/11 17:39	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW7D-110902

Lab Sample ID: 480-9354-6

Date Collected: 09/02/11 12:10

Matrix: W

Date Received: 09/02/11 17:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	3.1	J	5.4	0.33	ug/L		09/07/11 06:00	09/08/11 17:39	1
Chrysene	5.4	U	5.4	0.36	ug/L		09/07/11 06:00	09/08/11 17:39	1
Di-n-butyl phthalate	5.4	U	5.4	0.34	ug/L		09/07/11 06:00	09/08/11 17:39	1
Di-n-octyl phthalate	5.4	U	5.4	0.51	ug/L		09/07/11 06:00	09/08/11 17:39	1
Dibenz(a,h)anthracene	5.4	U	5.4	0.46	ug/L		09/07/11 06:00	09/08/11 17:39	1
Dibenzofuran	3.2	J	11	0.55	ug/L		09/07/11 06:00	09/08/11 17:39	1
Diethyl phthalate	5.4	U	5.4	0.24	ug/L		09/07/11 06:00	09/08/11 17:39	1
Dimethyl phthalate	5.4	U	5.4	0.39	ug/L		09/07/11 06:00	09/08/11 17:39	1
Fluoranthene	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 17:39	1
Fluorene	1.8	J	5.4	0.39	ug/L		09/07/11 06:00	09/08/11 17:39	1
Hexachlorobenzene	5.4	U	5.4	0.55	ug/L		09/07/11 06:00	09/08/11 17:39	1
Hexachlorobutadiene	5.4	U	5.4	0.74	ug/L		09/07/11 06:00	09/08/11 17:39	1
Hexachlorocyclopentadiene	5.4	U	5.4	0.64	ug/L		09/07/11 06:00	09/08/11 17:39	1
Hexachloroethane	5.4	U	5.4	0.64	ug/L		09/07/11 06:00	09/08/11 17:39	1
Indeno(1,2,3-cd)pyrene	5.4	U	5.4	0.51	ug/L		09/07/11 06:00	09/08/11 17:39	1
Isophorone	5.4	U	5.4	0.47	ug/L		09/07/11 06:00	09/08/11 17:39	1
N-Nitrosodi-n-propylamine	5.4	U	5.4	0.59	ug/L		09/07/11 06:00	09/08/11 17:39	1
N-Nitrosodiphenylamine	5.4	U	5.4	0.55	ug/L		09/07/11 06:00	09/08/11 17:39	1
Naphthalene	5.4	U	5.4	0.83	ug/L		09/07/11 06:00	09/08/11 17:39	1
Nitrobenzene	5.4	U	5.4	0.32	ug/L		09/07/11 06:00	09/08/11 17:39	1
Pentachlorophenol	11	U	11	2.4	ug/L		09/07/11 06:00	09/08/11 17:39	1
Phenanthrene	5.4	U	5.4	0.48	ug/L		09/07/11 06:00	09/08/11 17:39	1
Phenol	0.83	J	5.4	0.42	ug/L		09/07/11 06:00	09/08/11 17:39	1
Pyrene	5.4	U	5.4	0.37	ug/L		09/07/11 06:00	09/08/11 17:39	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Urea, tetraethyl-	130	J N	ug/L		7.68	1187-3-7	09/07/11 06:00	09/08/11 17:39	1
Benzenesulfonamide, 4-methyl-	8.9	J N	ug/L		10.90	70-55-3	09/07/11 06:00	09/08/11 17:39	1
Unknown	6.1	J	ug/L		12.70		09/07/11 06:00	09/08/11 17:39	1
Unknown	20	J	ug/L		13.33		09/07/11 06:00	09/08/11 17:39	1
Unknown	12	J	ug/L		13.51		09/07/11 06:00	09/08/11 17:39	1
Unknown	4.5	J	ug/L		13.54		09/07/11 06:00	09/08/11 17:39	1
Unknown	48	J	ug/L		13.63		09/07/11 06:00	09/08/11 17:39	1
Unknown	9.1	J	ug/L		13.91		09/07/11 06:00	09/08/11 17:39	1
Unknown	36	J	ug/L		14.10		09/07/11 06:00	09/08/11 17:39	1
Unknown	21	J	ug/L		14.25		09/07/11 06:00	09/08/11 17:39	1
Unknown	11	J	ug/L		14.35		09/07/11 06:00	09/08/11 17:39	1
Unknown	6.5	J	ug/L		14.37		09/07/11 06:00	09/08/11 17:39	1
Unknown	12	J	ug/L		14.65		09/07/11 06:00	09/08/11 17:39	1
Unknown	42	J	ug/L		14.84		09/07/11 06:00	09/08/11 17:39	1
Unknown	11	J	ug/L		15.10		09/07/11 06:00	09/08/11 17:39	1
Unknown	12	J	ug/L		15.47		09/07/11 06:00	09/08/11 17:39	1
Unknown	42	J	ug/L		15.70		09/07/11 06:00	09/08/11 17:39	1
Unknown	11	J	ug/L		16.52		09/07/11 06:00	09/08/11 17:39	1
Unknown	9.3	J	ug/L		16.81		09/07/11 06:00	09/08/11 17:39	1
Unknown	25	J	ug/L		16.84		09/07/11 06:00	09/08/11 17:39	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	C
2,4,6-Tribromophenol	124		52 - 132	09/07/11 06:00	09/08/11 17:39	
2-Fluorobiphenyl	97		48 - 120	09/07/11 06:00	09/08/11 17:39	1
2-Fluorophenol	49		20 - 120	09/07/11 06:00	09/08/11 17:39	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW7D-110902

Lab Sample ID: 480-9354-6

Collected: 09/02/11 12:10

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	85		46 - 120	09/07/11 06:00	09/08/11 17:39	1
p-Terphenyl-d14	97		24 - 136	09/07/11 06:00	09/08/11 17:39	1
Phenol-d5	38		16 - 120	09/07/11 06:00	09/08/11 17:39	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0050	U	0.0050	0.0030	mg/L		09/07/11 08:30	09/07/11 17:37	1

Client Sample ID: MW7D-110902D

Lab Sample ID: 480-9354-7

Date Collected: 09/02/11 12:10

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.6		1.0	0.82	ug/L			09/06/11 19:17	1
1,1,2,2-Tetrachloroethane	1.0 U		1.0	0.21	ug/L			09/06/11 19:17	1
1,1,2-Trichloroethane	1.0 U		1.0	0.23	ug/L			09/06/11 19:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U		1.0	0.31	ug/L			09/06/11 19:17	1
1,1-Dichloroethane	24		1.0	0.38	ug/L			09/06/11 19:17	1
Dichloroethene	3.4		1.0	0.29	ug/L			09/06/11 19:17	1
1,4-Trichlorobenzene	1.0 U		1.0	0.41	ug/L			09/06/11 19:17	1
1,2-Dibromo-3-Chloropropane	1.0 U		1.0	0.39	ug/L			09/06/11 19:17	1
1,2-Dibromoethane	1.0 U		1.0	0.73	ug/L			09/06/11 19:17	1
1,2-Dichlorobenzene	1.0 U		1.0	0.79	ug/L			09/06/11 19:17	1
1,2-Dichloroethane	1.0		1.0	0.21	ug/L			09/06/11 19:17	1
1,2-Dichloropropane	1.0 U		1.0	0.72	ug/L			09/06/11 19:17	1
1,3-Dichlorobenzene	1.0 U		1.0	0.78	ug/L			09/06/11 19:17	1
1,4-Dichlorobenzene	1.0 U		1.0	0.84	ug/L			09/06/11 19:17	1
2-Hexanone	5.0 U		5.0	1.2	ug/L			09/06/11 19:17	1
2-Butanone (MEK)	10 U		10	1.3	ug/L			09/06/11 19:17	1
4-Methyl-2-pentanone (MIBK)	5.0 U		5.0	2.1	ug/L			09/06/11 19:17	1
Acetone	10 U		10	3.0	ug/L			09/06/11 19:17	1
Benzene	1.0 U		1.0	0.41	ug/L			09/06/11 19:17	1
Bromodichloromethane	1.0 U		1.0	0.39	ug/L			09/06/11 19:17	1
Bromoform	1.0 U		1.0	0.26	ug/L			09/06/11 19:17	1
Bromomethane	1.0 U		1.0	0.69	ug/L			09/06/11 19:17	1
Carbon disulfide	1.0 U		1.0	0.19	ug/L			09/06/11 19:17	1
Carbon tetrachloride	1.0 U		1.0	0.27	ug/L			09/06/11 19:17	1
Chlorobenzene	1.0 U		1.0	0.75	ug/L			09/06/11 19:17	1
Dibromochloromethane	1.0 U		1.0	0.32	ug/L			09/06/11 19:17	1
Chloroethane	5.0		1.0	0.32	ug/L			09/06/11 19:17	1
Chloroform	0.49 J		1.0	0.34	ug/L			09/06/11 19:17	1
Chloromethane	1.0 U		1.0	0.35	ug/L			09/06/11 19:17	1
cis-1,2-Dichloroethene	1.0 U		1.0	0.81	ug/L			09/06/11 19:17	1
cis-1,3-Dichloropropene	1.0 U		1.0	0.36	ug/L			09/06/11 19:17	1
Cyclohexane	1.0 U		1.0	0.18	ug/L			09/06/11 19:17	1
Chlorodifluoromethane	1.0 U		1.0	0.68	ug/L			09/06/11 19:17	1
Ethylbenzene	1.0 U		1.0	0.74	ug/L			09/06/11 19:17	1
Isopropylbenzene	1.0 U		1.0	0.79	ug/L			09/06/11 19:17	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW7D-110902D

Lab Sample ID: 480-9354-7

Date Collected: 09/02/11 12:10

Matrix: W

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	1.0	U	1.0	0.50	ug/L			09/06/11 19:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/06/11 19:17	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/06/11 19:17	1
Methylene Chloride	0.62	J	1.0	0.44	ug/L			09/06/11 19:17	1
Styrene	1.0	U	1.0	0.73	ug/L			09/06/11 19:17	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/06/11 19:17	1
Toluene	1.0	U	1.0	0.51	ug/L			09/06/11 19:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/06/11 19:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/06/11 19:17	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/06/11 19:17	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/06/11 19:17	1
Vinyl chloride	1.7		1.0	0.90	ug/L			09/06/11 19:17	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/06/11 19:17	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
1,4-Dioxane	51		ug/L		9.98	123-91-1		09/06/11 19:17	1
Tentatively Identified Compound	None		ug/L					09/06/11 19:17	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137		09/06/11 19:17	1
Toluene-d8 (Surr)	94		71 - 126		09/06/11 19:17	1
4-Bromofluorobenzene (Surr)	86		73 - 120		09/06/11 19:17	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.7	U	5.7	0.74	ug/L		09/07/11 06:00	09/08/11 18:03	1
bis (2-chloroisopropyl) ether	5.7	U	5.7	0.59	ug/L		09/07/11 06:00	09/08/11 18:03	1
2,4,5-Trichlorophenol	5.7	U	5.7	0.55	ug/L		09/07/11 06:00	09/08/11 18:03	1
2,4,6-Trichlorophenol	5.7	U	5.7	0.69	ug/L		09/07/11 06:00	09/08/11 18:03	1
2,4-Dichlorophenol	5.7	U	5.7	0.58	ug/L		09/07/11 06:00	09/08/11 18:03	1
2,4-Dimethylphenol	5.7	U	5.7	0.57	ug/L		09/07/11 06:00	09/08/11 18:03	1
2,4-Dinitrophenol	11	U	11	2.5	ug/L		09/07/11 06:00	09/08/11 18:03	1
2,4-Dinitrotoluene	5.7	U	5.7	0.51	ug/L		09/07/11 06:00	09/08/11 18:03	1
2,6-Dinitrotoluene	5.7	U	5.7	0.45	ug/L		09/07/11 06:00	09/08/11 18:03	1
2-Chloronaphthalene	5.7	U	5.7	0.52	ug/L		09/07/11 06:00	09/08/11 18:03	1
2-Chlorophenol	5.7	U	5.7	0.60	ug/L		09/07/11 06:00	09/08/11 18:03	1
2-Methylnaphthalene	5.7	U	5.7	0.68	ug/L		09/07/11 06:00	09/08/11 18:03	1
2-Methylphenol	5.7	U	5.7	0.45	ug/L		09/07/11 06:00	09/08/11 18:03	1
2-Nitroaniline	11	U	11	0.48	ug/L		09/07/11 06:00	09/08/11 18:03	1
2-Nitrophenol	5.7	U	5.7	0.55	ug/L		09/07/11 06:00	09/08/11 18:03	1
3,3'-Dichlorobenzidine	5.7	U	5.7	0.45	ug/L		09/07/11 06:00	09/08/11 18:03	1
3-Nitroaniline	11	U	11	0.55	ug/L		09/07/11 06:00	09/08/11 18:03	1
4,6-Dinitro-2-methylphenol	11	U	11	2.5	ug/L		09/07/11 06:00	09/08/11 18:03	1
4-Bromophenyl phenyl ether	5.7	U	5.7	0.51	ug/L		09/07/11 06:00	09/08/11 18:03	1
4-Chloro-3-methylphenol	5.7	U	5.7	0.51	ug/L		09/07/11 06:00	09/08/11 18:03	1
4-Chloroaniline	5.7	U	5.7	0.67	ug/L		09/07/11 06:00	09/08/11 18:03	1
4-Chlorophenyl phenyl ether	5.7	U	5.7	0.40	ug/L		09/07/11 06:00	09/08/11 18:03	1
4-Methylphenol	11	U	11	0.41	ug/L		09/07/11 06:00	09/08/11 18:03	1
4-Nitroaniline	11	U	11	0.28	ug/L		09/07/11 06:00	09/08/11 18:03	1
4-Nitrophenol	11	U	11	1.7	ug/L		09/07/11 06:00	09/08/11 18:03	1
Acenaphthene	0.91	J	5.7	0.47	ug/L		09/07/11 06:00	09/08/11 18:03	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW7D-110902D

Lab Sample ID: 480-9354-7

Collected: 09/02/11 12:10

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	5.7	U	5.7	0.43	ug/L		09/07/11 06:00	09/08/11 18:03	1
Acetophenone	5.7	U	5.7	0.61	ug/L		09/07/11 06:00	09/08/11 18:03	1
Anthracene	5.7	U	5.7	0.32	ug/L		09/07/11 06:00	09/08/11 18:03	1
Atrazine	5.7	U *	5.7	0.52	ug/L		09/07/11 06:00	09/08/11 18:03	1
Benzaldehyde	5.7	U	5.7	0.30	ug/L		09/07/11 06:00	09/08/11 18:03	1
Benzo(a)anthracene	5.7	U	5.7	0.41	ug/L		09/07/11 06:00	09/08/11 18:03	1
Benzo(a)pyrene	5.7	U	5.7	0.53	ug/L		09/07/11 06:00	09/08/11 18:03	1
Benzo(b)fluoranthene	5.7	U	5.7	0.39	ug/L		09/07/11 06:00	09/08/11 18:03	1
Benzo(g,h,i)perylene	5.7	U	5.7	0.40	ug/L		09/07/11 06:00	09/08/11 18:03	1
Benzo(k)fluoranthene	5.7	U	5.7	0.83	ug/L		09/07/11 06:00	09/08/11 18:03	1
Bis(2-chloroethoxy)methane	5.7	U	5.7	0.40	ug/L		09/07/11 06:00	09/08/11 18:03	1
Bis(2-chloroethyl)ether	5.7	U	5.7	0.45	ug/L		09/07/11 06:00	09/08/11 18:03	1
Bis(2-ethylhexyl) phthalate	2.1	J	5.7	2.0	ug/L		09/07/11 06:00	09/08/11 18:03	1
Butyl benzyl phthalate	5.7	U	5.7	0.48	ug/L		09/07/11 06:00	09/08/11 18:03	1
Caprolactam	5.7	U	5.7	2.5	ug/L		09/07/11 06:00	09/08/11 18:03	1
Carbazole	2.1	J	5.7	0.34	ug/L		09/07/11 06:00	09/08/11 18:03	1
Chrysene	5.7	U	5.7	0.38	ug/L		09/07/11 06:00	09/08/11 18:03	1
Di-n-butyl phthalate	5.7	U	5.7	0.35	ug/L		09/07/11 06:00	09/08/11 18:03	1
Di-n-octyl phthalate	5.7	U	5.7	0.53	ug/L		09/07/11 06:00	09/08/11 18:03	1
Dibenz(a,h)anthracene	5.7	U	5.7	0.48	ug/L		09/07/11 06:00	09/08/11 18:03	1
benzofuran	2.3	J	11	0.58	ug/L		09/07/11 06:00	09/08/11 18:03	1
Diethyl phthalate	5.7	U	5.7	0.25	ug/L		09/07/11 06:00	09/08/11 18:03	1
Dimethyl phthalate	5.7	U	5.7	0.41	ug/L		09/07/11 06:00	09/08/11 18:03	1
Fluoranthene	5.7	U	5.7	0.45	ug/L		09/07/11 06:00	09/08/11 18:03	1
Fluorene	1.6	J	5.7	0.41	ug/L		09/07/11 06:00	09/08/11 18:03	1
Hexachlorobenzene	5.7	U	5.7	0.58	ug/L		09/07/11 06:00	09/08/11 18:03	1
Hexachlorobutadiene	5.7	U	5.7	0.77	ug/L		09/07/11 06:00	09/08/11 18:03	1
Hexachlorocyclopentadiene	5.7	U	5.7	0.67	ug/L		09/07/11 06:00	09/08/11 18:03	1
Hexachloroethane	5.7	U	5.7	0.67	ug/L		09/07/11 06:00	09/08/11 18:03	1
Indeno(1,2,3-cd)pyrene	5.7	U	5.7	0.53	ug/L		09/07/11 06:00	09/08/11 18:03	1
Isophorone	5.7	U	5.7	0.49	ug/L		09/07/11 06:00	09/08/11 18:03	1
N-Nitrosodi-n-propylamine	5.7	U	5.7	0.61	ug/L		09/07/11 06:00	09/08/11 18:03	1
N-Nitrosodiphenylamine	5.7	U	5.7	0.58	ug/L		09/07/11 06:00	09/08/11 18:03	1
Naphthalene	5.7	U	5.7	0.86	ug/L		09/07/11 06:00	09/08/11 18:03	1
Nitrobenzene	5.7	U	5.7	0.33	ug/L		09/07/11 06:00	09/08/11 18:03	1
Pentachlorophenol	11	U	11	2.5	ug/L		09/07/11 06:00	09/08/11 18:03	1
Phenanthrene	5.7	U	5.7	0.50	ug/L		09/07/11 06:00	09/08/11 18:03	1
Phenol	5.7	U	5.7	0.44	ug/L		09/07/11 06:00	09/08/11 18:03	1
Pyrene	5.7	U	5.7	0.38	ug/L		09/07/11 06:00	09/08/11 18:03	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Urea, tetraethyl-	140	J N	ug/L		7.68	1187-3-7	09/07/11 06:00	09/08/11 18:03	1
Unknown	6.2	J	ug/L		8.60		09/07/11 06:00	09/08/11 18:03	1
Benzenesulfonamide, 4-methyl-	8.2	J N	ug/L		10.90	70-55-3	09/07/11 06:00	09/08/11 18:03	1
Unknown	7.2	J	ug/L		11.78		09/07/11 06:00	09/08/11 18:03	1
Unknown	50	J	ug/L		12.81		09/07/11 06:00	09/08/11 18:03	1
Hexadecanoic acid, butyl ester	68	J N	ug/L		12.97	111-6-8	09/07/11 06:00	09/08/11 18:03	1
Unknown	21	J	ug/L		13.33		09/07/11 06:00	09/08/11 18:03	1
Unknown	16	J	ug/L		13.51		09/07/11 06:00	09/08/11 18:03	1
Unknown	62	J	ug/L		13.59		09/07/11 06:00	09/08/11 18:03	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW7D-110902D

Lab Sample ID: 480-9354-7

Date Collected: 09/02/11 12:10

Matrix: W

Date Received: 09/02/11 17:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	23	J	ug/L		13.64		09/07/11 06:00	09/08/11 18:03	1
Unknown	10	J	ug/L		13.91		09/07/11 06:00	09/08/11 18:03	1
Unknown	39	J	ug/L		14.10		09/07/11 06:00	09/08/11 18:03	1
Unknown	15	J	ug/L		14.25		09/07/11 06:00	09/08/11 18:03	1
Unknown	32	J	ug/L		14.37		09/07/11 06:00	09/08/11 18:03	1
Unknown	11	J	ug/L		14.65		09/07/11 06:00	09/08/11 18:03	1
Unknown	40	J	ug/L		14.84		09/07/11 06:00	09/08/11 18:03	1
Unknown	12	J	ug/L		15.47		09/07/11 06:00	09/08/11 18:03	1
Unknown	47	J	ug/L		15.70		09/07/11 06:00	09/08/11 18:03	1
Unknown	11	J	ug/L		16.52		09/07/11 06:00	09/08/11 18:03	1
Unknown	26	J	ug/L		16.85		09/07/11 06:00	09/08/11 18:03	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	134	X	52 - 132	09/07/11 06:00	09/08/11 18:03	1
2-Fluorobiphenyl	105		48 - 120	09/07/11 06:00	09/08/11 18:03	1
2-Fluorophenol	57		20 - 120	09/07/11 06:00	09/08/11 18:03	1
Nitrobenzene-d5	93		46 - 120	09/07/11 06:00	09/08/11 18:03	1
p-Terphenyl-d14	72		24 - 136	09/07/11 06:00	09/08/11 18:03	1
Phenol-d5	43		16 - 120	09/07/11 06:00	09/08/11 18:03	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil
Lead	0.0050	U	0.0050	0.0030	mg/L		09/07/11 08:30	09/07/11 17:40	1

Client Sample ID: MW10D-110902

Lab Sample ID: 480-9354-8

Date Collected: 09/02/11 13:58

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/06/11 19:42	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 19:42	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/06/11 19:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/06/11 19:42	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/06/11 19:42	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/06/11 19:42	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/06/11 19:42	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/06/11 19:42	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/06/11 19:42	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/06/11 19:42	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 19:42	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/06/11 19:42	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/06/11 19:42	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/06/11 19:42	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/06/11 19:42	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/06/11 19:42	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/06/11 19:42	1
Acetone	9.4	J	10	3.0	ug/L			09/06/11 19:42	1
Benzene	1.0	U	1.0	0.41	ug/L			09/06/11 19:42	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW10D-110902

Lab Sample ID: 480-9354-8

Collected: 09/02/11 13:58

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	12		1.0	0.39	ug/L			09/06/11 19:42	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/06/11 19:42	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/06/11 19:42	1
Carbon disulfide	1.6		1.0	0.19	ug/L			09/06/11 19:42	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/06/11 19:42	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/06/11 19:42	1
Dibromochloromethane	4.2		1.0	0.32	ug/L			09/06/11 19:42	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/06/11 19:42	1
Chloroform	35		1.0	0.34	ug/L			09/06/11 19:42	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/06/11 19:42	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/06/11 19:42	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/06/11 19:42	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/06/11 19:42	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/06/11 19:42	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/06/11 19:42	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/06/11 19:42	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			09/06/11 19:42	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/06/11 19:42	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/06/11 19:42	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/06/11 19:42	1
ene	1.0	U	1.0	0.73	ug/L			09/06/11 19:42	1
trichloroethene	1.0	U	1.0	0.36	ug/L			09/06/11 19:42	1
Toluene	0.79	J	1.0	0.51	ug/L			09/06/11 19:42	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/06/11 19:42	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/06/11 19:42	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/06/11 19:42	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/06/11 19:42	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/06/11 19:42	1
Xylenes, Total	1.6	J	2.0	0.66	ug/L			09/06/11 19:42	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					09/06/11 19:42	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137					09/06/11 19:42	1
Toluene-d8 (Surr)	94		71 - 126					09/06/11 19:42	1
4-Bromofluorobenzene (Surr)	86		73 - 120					09/06/11 19:42	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.4	U	5.4	0.70	ug/L		09/07/11 06:00	09/08/11 18:27	1
bis (2-chloroisopropyl) ether	5.4	U	5.4	0.56	ug/L		09/07/11 06:00	09/08/11 18:27	1
2,4,5-Trichlorophenol	5.4	U	5.4	0.52	ug/L		09/07/11 06:00	09/08/11 18:27	1
2,4,6-Trichlorophenol	5.4	U	5.4	0.66	ug/L		09/07/11 06:00	09/08/11 18:27	1
2,4-Dichlorophenol	5.4	U	5.4	0.55	ug/L		09/07/11 06:00	09/08/11 18:27	1
2,4-Dimethylphenol	5.4	U	5.4	0.54	ug/L		09/07/11 06:00	09/08/11 18:27	1
2,4-Dinitrophenol	11	U	11	2.4	ug/L		09/07/11 06:00	09/08/11 18:27	1
Dinitrotoluene	5.4	U	5.4	0.48	ug/L		09/07/11 06:00	09/08/11 18:27	1
Dinitrotoluene	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 18:27	1
2-Chloronaphthalene	5.4	U	5.4	0.49	ug/L		09/07/11 06:00	09/08/11 18:27	1
2-Chlorophenol	5.4	U	5.4	0.57	ug/L		09/07/11 06:00	09/08/11 18:27	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW10D-110902

Lab Sample ID: 480-9354-8

Date Collected: 09/02/11 13:58

Matrix: W

Date Received: 09/02/11 17:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	5.4	U	5.4	0.65	ug/L		09/07/11 06:00	09/08/11 18:27	1
2-Methylphenol	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 18:27	1
2-Nitroaniline	11	U	11	0.45	ug/L		09/07/11 06:00	09/08/11 18:27	1
2-Nitrophenol	5.4	U	5.4	0.52	ug/L		09/07/11 06:00	09/08/11 18:27	1
3,3'-Dichlorobenzidine	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 18:27	1
3-Nitroaniline	11	U	11	0.52	ug/L		09/07/11 06:00	09/08/11 18:27	1
4,6-Dinitro-2-methylphenol	11	U	11	2.4	ug/L		09/07/11 06:00	09/08/11 18:27	1
4-Bromophenyl phenyl ether	5.4	U	5.4	0.48	ug/L		09/07/11 06:00	09/08/11 18:27	1
4-Chloro-3-methylphenol	5.4	U	5.4	0.48	ug/L		09/07/11 06:00	09/08/11 18:27	1
4-Chloroaniline	5.4	U	5.4	0.63	ug/L		09/07/11 06:00	09/08/11 18:27	1
4-Chlorophenyl phenyl ether	5.4	U	5.4	0.38	ug/L		09/07/11 06:00	09/08/11 18:27	1
4-Methylphenol	11	U	11	0.39	ug/L		09/07/11 06:00	09/08/11 18:27	1
4-Nitroaniline	11	U	11	0.27	ug/L		09/07/11 06:00	09/08/11 18:27	1
4-Nitrophenol	11	U	11	1.6	ug/L		09/07/11 06:00	09/08/11 18:27	1
Acenaphthene	5.4	U	5.4	0.44	ug/L		09/07/11 06:00	09/08/11 18:27	1
Acenaphthylene	5.4	U	5.4	0.41	ug/L		09/07/11 06:00	09/08/11 18:27	1
Acetophenone	5.4	U	5.4	0.58	ug/L		09/07/11 06:00	09/08/11 18:27	1
Anthracene	5.4	U	5.4	0.30	ug/L		09/07/11 06:00	09/08/11 18:27	1
Atrazine	5.4	U *	5.4	0.49	ug/L		09/07/11 06:00	09/08/11 18:27	1
Benzaldehyde	0.66	J	5.4	0.29	ug/L		09/07/11 06:00	09/08/11 18:27	1
Benzo(a)anthracene	5.4	U	5.4	0.39	ug/L		09/07/11 06:00	09/08/11 18:27	1
Benzo(a)pyrene	5.4	U	5.4	0.51	ug/L		09/07/11 06:00	09/08/11 18:27	1
Benzo(b)fluoranthene	5.4	U	5.4	0.37	ug/L		09/07/11 06:00	09/08/11 18:27	1
Benzo(g,h,i)perylene	5.4	U	5.4	0.38	ug/L		09/07/11 06:00	09/08/11 18:27	1
Benzo(k)fluoranthene	5.4	U	5.4	0.78	ug/L		09/07/11 06:00	09/08/11 18:27	1
Bis(2-chloroethoxy)methane	5.4	U	5.4	0.38	ug/L		09/07/11 06:00	09/08/11 18:27	1
Bis(2-chloroethyl)ether	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 18:27	1
Bis(2-ethylhexyl) phthalate	5.4	U	5.4	1.9	ug/L		09/07/11 06:00	09/08/11 18:27	1
Butyl benzyl phthalate	5.4	U	5.4	0.45	ug/L		09/07/11 06:00	09/08/11 18:27	1
Caprolactam	5.4	U	5.4	2.4	ug/L		09/07/11 06:00	09/08/11 18:27	1
Carbazole	5.4	U	5.4	0.32	ug/L		09/07/11 06:00	09/08/11 18:27	1
Chrysene	5.4	U	5.4	0.35	ug/L		09/07/11 06:00	09/08/11 18:27	1
Di-n-butyl phthalate	5.4	U	5.4	0.33	ug/L		09/07/11 06:00	09/08/11 18:27	1
Di-n-octyl phthalate	5.4	U	5.4	0.51	ug/L		09/07/11 06:00	09/08/11 18:27	1
Dibenz(a,h)anthracene	5.4	U	5.4	0.45	ug/L		09/07/11 06:00	09/08/11 18:27	1
Dibenzofuran	11	U	11	0.55	ug/L		09/07/11 06:00	09/08/11 18:27	1
Diethyl phthalate	5.4	U	5.4	0.24	ug/L		09/07/11 06:00	09/08/11 18:27	1
Dimethyl phthalate	5.4	U	5.4	0.39	ug/L		09/07/11 06:00	09/08/11 18:27	1
Fluoranthene	5.4	U	5.4	0.43	ug/L		09/07/11 06:00	09/08/11 18:27	1
Fluorene	5.4	U	5.4	0.39	ug/L		09/07/11 06:00	09/08/11 18:27	1
Hexachlorobenzene	5.4	U	5.4	0.55	ug/L		09/07/11 06:00	09/08/11 18:27	1
Hexachlorobutadiene	5.4	U	5.4	0.73	ug/L		09/07/11 06:00	09/08/11 18:27	1
Hexachlorocyclopentadiene	5.4	U	5.4	0.63	ug/L		09/07/11 06:00	09/08/11 18:27	1
Hexachloroethane	5.4	U	5.4	0.63	ug/L		09/07/11 06:00	09/08/11 18:27	1
Indeno(1,2,3-cd)pyrene	5.4	U	5.4	0.51	ug/L		09/07/11 06:00	09/08/11 18:27	1
Isophorone	5.4	U	5.4	0.46	ug/L		09/07/11 06:00	09/08/11 18:27	1
N-Nitrosodi-n-propylamine	5.4	U	5.4	0.58	ug/L		09/07/11 06:00	09/08/11 18:27	1
N-Nitrosodiphenylamine	5.4	U	5.4	0.55	ug/L		09/07/11 06:00	09/08/11 18:27	1
Naphthalene	5.4	U	5.4	0.82	ug/L		09/07/11 06:00	09/08/11 18:27	1
Nitrobenzene	5.4	U	5.4	0.31	ug/L		09/07/11 06:00	09/08/11 18:27	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW10D-110902

Lab Sample ID: 480-9354-8

Collected: 09/02/11 13:58

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	11	U	11	2.4	ug/L		09/07/11 06:00	09/08/11 18:27	1
Phenanthrene	5.4	U	5.4	0.47	ug/L		09/07/11 06:00	09/08/11 18:27	1
Phenol	5.4	U	5.4	0.42	ug/L		09/07/11 06:00	09/08/11 18:27	1
Pyrene	5.4	U	5.4	0.37	ug/L		09/07/11 06:00	09/08/11 18:27	1

Tentatively Identified Compound

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	39	J	ug/L		12.81		09/07/11 06:00	09/08/11 18:27	1
Hexadecanoic acid, butyl ester	34	J N	ug/L		12.97	111-6-8	09/07/11 06:00	09/08/11 18:27	1
Phenol, 4,4'-(1-methylethylidene)bis-	20	J N	ug/L		13.03	80-5-7	09/07/11 06:00	09/08/11 18:27	1
Unknown	16	J	ug/L		13.33		09/07/11 06:00	09/08/11 18:27	1
Unknown	6.9	J	ug/L		13.49		09/07/11 06:00	09/08/11 18:27	1
Unknown	34	J	ug/L		13.59		09/07/11 06:00	09/08/11 18:27	1
Unknown	17	J	ug/L		13.64		09/07/11 06:00	09/08/11 18:27	1
Unknown	7.6	J	ug/L		13.91		09/07/11 06:00	09/08/11 18:27	1
Unknown	29	J	ug/L		14.10		09/07/11 06:00	09/08/11 18:27	1
Unknown	13	J	ug/L		14.25		09/07/11 06:00	09/08/11 18:27	1
Unknown	66	J	ug/L		14.37		09/07/11 06:00	09/08/11 18:27	1
Unknown	9.1	J	ug/L		14.65		09/07/11 06:00	09/08/11 18:27	1
Unknown	35	J	ug/L		14.84		09/07/11 06:00	09/08/11 18:27	1
Unknown	5.8	J	ug/L		15.07		09/07/11 06:00	09/08/11 18:27	1
Unknown	10	J	ug/L		15.47		09/07/11 06:00	09/08/11 18:27	1
Unknown	35	J	ug/L		15.70		09/07/11 06:00	09/08/11 18:27	1
Unknown	9.4	J	ug/L		16.04		09/07/11 06:00	09/08/11 18:27	1
Unknown	6.8	J	ug/L		16.52		09/07/11 06:00	09/08/11 18:27	1
Unknown	5.5	J	ug/L		16.81		09/07/11 06:00	09/08/11 18:27	1
Unknown	20	J	ug/L		16.84		09/07/11 06:00	09/08/11 18:27	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	109		52 - 132	09/07/11 06:00	09/08/11 18:27	1
2-Fluorobiphenyl	91		48 - 120	09/07/11 06:00	09/08/11 18:27	1
2-Fluorophenol	43		20 - 120	09/07/11 06:00	09/08/11 18:27	1
Nitrobenzene-d5	82		46 - 120	09/07/11 06:00	09/08/11 18:27	1
p-Terphenyl-d14	69		24 - 136	09/07/11 06:00	09/08/11 18:27	1
Phenol-d5	33		16 - 120	09/07/11 06:00	09/08/11 18:27	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0050		0.0050	0.0030	mg/L		09/07/11 08:30	09/07/11 17:46	1

Client Sample ID: TB-110902

Lab Sample ID: 480-9354-9

Date Collected: 09/02/11 14:00

Matrix: Water

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/06/11 20:07	1
2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 20:07	1
1,2-Dichloroethane	1.0	U	1.0	0.23	ug/L			09/06/11 20:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/06/11 20:07	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/06/11 20:07	1

Client Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: TB-110902

Lab Sample ID: 480-9354-9

Date Collected: 09/02/11 14:00

Matrix: W

Date Received: 09/02/11 17:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/06/11 20:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/06/11 20:07	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/06/11 20:07	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/06/11 20:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/06/11 20:07	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 20:07	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/06/11 20:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/06/11 20:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/06/11 20:07	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/06/11 20:07	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/06/11 20:07	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/06/11 20:07	1
Acetone	10	U	10	3.0	ug/L			09/06/11 20:07	1
Benzene	1.0	U	1.0	0.41	ug/L			09/06/11 20:07	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/06/11 20:07	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/06/11 20:07	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/06/11 20:07	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/06/11 20:07	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/06/11 20:07	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/06/11 20:07	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/06/11 20:07	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/06/11 20:07	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/06/11 20:07	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/06/11 20:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/06/11 20:07	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/06/11 20:07	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/06/11 20:07	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/06/11 20:07	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/06/11 20:07	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/06/11 20:07	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			09/06/11 20:07	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/06/11 20:07	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/06/11 20:07	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/06/11 20:07	1
Styrene	1.0	U	1.0	0.73	ug/L			09/06/11 20:07	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/06/11 20:07	1
Toluene	1.0	U	1.0	0.51	ug/L			09/06/11 20:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/06/11 20:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/06/11 20:07	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/06/11 20:07	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/06/11 20:07	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/06/11 20:07	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/06/11 20:07	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		09/06/11 20:07	1
Toluene-d8 (Surr)	90		71 - 126		09/06/11 20:07	1
4-Bromofluorobenzene (Surr)	80		73 - 120		09/06/11 20:07	1

Surrogate Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-9354-1	MW4DR-110901	95	90	82
480-9354-1 - DL	MW4DR-110901	98 D	90 D	80 D
480-9354-2	MW8D-110901	97	90	80
480-9354-3	MW5S-110901	101	93	84
480-9354-4	MW3D-110901	100	95	85
480-9354-4 - DL	MW3D-110901	102 D	94 D	84 D
480-9354-5	MW9D-110902	97	96	90
480-9354-5 - DL	MW9D-110902	98 D	95 D	92 D
480-9354-6	MW7D-110902	98	89	80
480-9354-7	MW7D-110902D	104	94	86
480-9354-8	MW10D-110902	101	94	86
480-9354-9	TB-110902	98	90	80
LCS 480-30122/4	Lab Control Sample	95	95	90
LCS 480-30261/4	Lab Control Sample	94	95	90
LCS 480-30409/4	Lab Control Sample	89	94	91
MB 480-30122/5	Method Blank	101	96	89
MB 480-30261/5	Method Blank	98	92	84
MB 480-30409/5	Method Blank	91	87	83

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (52-132)	FBP (48-120)	2FP (20-120)	NBZ (46-120)	TPH (24-136)	PHL (16-120)
480-9354-1	MW4DR-110901	129	100	51	88	92	37
480-9354-2	MW8D-110901	121	95	54	88	102	39
480-9354-3	MW5S-110901	117	88	38	71	94	28
480-9354-4	MW3D-110901	119	102	51	92	90	38
480-9354-5	MW9D-110902	125	90	43	72	103	34
480-9354-6	MW7D-110902	124	97	49	85	97	38
480-9354-7	MW7D-110902D	134 X	105	57	93	72	43
480-9354-8	MW10D-110902	109	91	43	82	69	33
LCS 480-30307/2-A	Lab Control Sample	120	102	57	95	122	41
MB 480-30307/1-A	Method Blank	112	89	45	81	113	33

Surrogate Legend

TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

TPH = p-Terphenyl-d14

PHL = Phenol-d5

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-30122/5

Matrix: Water

Analysis Batch: 30122

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/06/11 11:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 11:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/06/11 11:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/06/11 11:03	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/06/11 11:03	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/06/11 11:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/08/11 11:03	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/06/11 11:03	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/06/11 11:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/06/11 11:03	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/06/11 11:03	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/06/11 11:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/06/11 11:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/06/11 11:03	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/06/11 11:03	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/06/11 11:03	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/06/11 11:03	1
Acetone	10	U	10	3.0	ug/L			09/06/11 11:03	1
Benzene	1.0	U	1.0	0.41	ug/L			09/06/11 11:03	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/06/11 11:03	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/06/11 11:03	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/06/11 11:03	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/06/11 11:03	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/06/11 11:03	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/06/11 11:03	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/06/11 11:03	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/06/11 11:03	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/06/11 11:03	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/06/11 11:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/06/11 11:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/06/11 11:03	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/06/11 11:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/06/11 11:03	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/06/11 11:03	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/06/11 11:03	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			09/06/11 11:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/06/11 11:03	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/06/11 11:03	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/06/11 11:03	1
Styrene	1.0	U	1.0	0.73	ug/L			09/06/11 11:03	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/06/11 11:03	1
Toluene	1.0	U	1.0	0.51	ug/L			09/06/11 11:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/06/11 11:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/06/11 11:03	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/06/11 11:03	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/06/11 11:03	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/06/11 11:03	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/06/11 11:03	1

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-30122/5

Matrix: Water

Analysis Batch: 30122

Client Sample ID: Method Blank

Prep Type: Total/NA

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/L					09/06/11 11:03	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier							
1,2-Dichloroethane-d4 (Surr)	101		66 - 137					09/06/11 11:03	1
Toluene-d8 (Surr)	96		71 - 126					09/06/11 11:03	1
4-Bromofluorobenzene (Surr)	89		73 - 120					09/06/11 11:03	1

Lab Sample ID: LCS 480-30122/4

Matrix: Water

Analysis Batch: 30122

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
1,1-Dichloroethane	25.0	25.8		ug/L		103	71 - 129	
1,1-Dichloroethene	25.0	26.4		ug/L		106	65 - 138	
1,2-Dichlorobenzene	25.0	25.1		ug/L		100	77 - 120	
1,2-Dichloroethane	25.0	25.4		ug/L		102	75 - 127	
Benzene	25.0	26.2		ug/L		105	71 - 124	
Chlorobenzene	25.0	24.3		ug/L		97	72 - 120	
cis-1,2-Dichloroethene	25.0	25.9		ug/L		104	74 - 124	
o-Xylene	25.0	25.1		ug/L		100	77 - 123	
Diethyl tert-butyl ether	25.0	24.9		ug/L		100	64 - 127	
Tetrachloroethene	25.0	25.2		ug/L		101	74 - 122	
Toluene	25.0	25.5		ug/L		102	70 - 122	
trans-1,2-Dichloroethene	25.0	26.8		ug/L		107	73 - 127	
Trichloroethene	25.0	25.9		ug/L		104	74 - 123	

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	95		66 - 137
Toluene-d8 (Surr)	95		71 - 126
4-Bromofluorobenzene (Surr)	90		73 - 120

Lab Sample ID: MB 480-30261/5

Matrix: Water

Analysis Batch: 30261

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/07/11 14:05	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/07/11 14:05	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/07/11 14:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/07/11 14:05	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/07/11 14:05	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/07/11 14:05	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/07/11 14:05	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/07/11 14:05	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/07/11 14:05	1
Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/07/11 14:05	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/07/11 14:05	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/07/11 14:05	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/07/11 14:05	1

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-30261/5

Matrix: Water

Analysis Batch: 30261

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	Result	MB MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/07/11 14:05	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/07/11 14:05	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/07/11 14:05	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/07/11 14:05	1
Acetone	10	U	10	3.0	ug/L			09/07/11 14:05	1
Benzene	1.0	U	1.0	0.41	ug/L			09/07/11 14:05	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/07/11 14:05	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/07/11 14:05	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/07/11 14:05	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/07/11 14:05	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/07/11 14:05	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/07/11 14:05	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/07/11 14:05	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/07/11 14:05	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/07/11 14:05	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/07/11 14:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/07/11 14:05	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/07/11 14:05	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/07/11 14:05	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/07/11 14:05	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/07/11 14:05	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/07/11 14:05	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			09/07/11 14:05	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/07/11 14:05	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/07/11 14:05	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/07/11 14:05	1
Styrene	1.0	U	1.0	0.73	ug/L			09/07/11 14:05	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/07/11 14:05	1
Toluene	1.0	U	1.0	0.51	ug/L			09/07/11 14:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/07/11 14:05	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/07/11 14:05	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/07/11 14:05	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/07/11 14:05	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/07/11 14:05	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/07/11 14:05	1

Tentatively Identified Compound	Est. Result	MB MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					09/07/11 14:05	1

Surrogate	% Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		09/07/11 14:05	1
Toluene-d8 (Surr)	92		71 - 126		09/07/11 14:05	1
4-Bromofluorobenzene (Surr)	84		73 - 120		09/07/11 14:05	1

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-30261/4

Matrix: Water

Analysis Batch: 30261

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec Limits
		Result	Qualifier				
1,1-Dichloroethane	25.0	26.2		ug/L		105	71 - 129
1,1-Dichloroethene	25.0	26.7		ug/L		107	65 - 138
1,2-Dichlorobenzene	25.0	25.1		ug/L		100	77 - 120
1,2-Dichloroethane	25.0	25.8		ug/L		103	75 - 127
Benzene	25.0	26.8		ug/L		107	71 - 124
Chlorobenzene	25.0	25.1		ug/L		100	72 - 120
cis-1,2-Dichloroethene	25.0	26.1		ug/L		104	74 - 124
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123
Methyl tert-butyl ether	25.0	23.8		ug/L		95	64 - 127
Tetrachloroethene	25.0	25.4		ug/L		102	74 - 122
Toluene	25.0	25.8		ug/L		103	70 - 122
trans-1,2-Dichloroethene	25.0	26.8		ug/L		107	73 - 127
Trichloroethene	25.0	26.3		ug/L		105	74 - 123

Surrogate	LCS % Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		66 - 137
Toluene-d8 (Surr)	95		71 - 126
4-Bromofluorobenzene (Surr)	90		73 - 120

Lab Sample ID: MB 480-30409/5

Matrix: Water

Analysis Batch: 30409

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			09/08/11 11:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			09/08/11 11:56	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			09/08/11 11:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			09/08/11 11:56	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			09/08/11 11:56	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			09/08/11 11:56	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			09/08/11 11:56	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			09/08/11 11:56	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			09/08/11 11:56	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			09/08/11 11:56	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/08/11 11:56	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			09/08/11 11:56	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			09/08/11 11:56	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			09/08/11 11:56	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			09/08/11 11:56	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			09/08/11 11:56	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			09/08/11 11:56	1
Acetone	10	U	10	3.0	ug/L			09/08/11 11:56	1
Benzene	1.0	U	1.0	0.41	ug/L			09/08/11 11:56	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			09/08/11 11:56	1
Bromoform	1.0	U	1.0	0.26	ug/L			09/08/11 11:56	1
Bromomethane	1.0	U	1.0	0.69	ug/L			09/08/11 11:56	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			09/08/11 11:56	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			09/08/11 11:56	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			09/08/11 11:56	1

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-30409/5

Matrix: Water

Analysis Batch: 30409

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	Result	MB MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			09/08/11 11:56	1
Chloroethane	1.0	U	1.0	0.32	ug/L			09/08/11 11:56	1
Chloroform	1.0	U	1.0	0.34	ug/L			09/08/11 11:56	1
Chloromethane	1.0	U	1.0	0.35	ug/L			09/08/11 11:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			09/08/11 11:56	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/08/11 11:56	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			09/08/11 11:56	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			09/08/11 11:56	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			09/08/11 11:56	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			09/08/11 11:56	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			09/08/11 11:56	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			09/08/11 11:56	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			09/08/11 11:56	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			09/08/11 11:56	1
Styrene	1.0	U	1.0	0.73	ug/L			09/08/11 11:56	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			09/08/11 11:56	1
Toluene	1.0	U	1.0	0.51	ug/L			09/08/11 11:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			09/08/11 11:56	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			09/08/11 11:56	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			09/08/11 11:56	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			09/08/11 11:56	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			09/08/11 11:56	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			09/08/11 11:56	1

Tentatively Identified Compound	Est. Result	MB MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					09/08/11 11:56	1

Surrogate	% Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		66 - 137		09/08/11 11:56	1
Toluene-d8 (Surr)	87		71 - 126		09/08/11 11:56	1
4-Bromofluorobenzene (Surr)	83		73 - 120		09/08/11 11:56	1

Lab Sample ID: LCS 480-30409/4

Matrix: Water

Analysis Batch: 30409

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS LCS Result Qualifier	Unit	D	% Rec	% Rec. Limits
1,1-Dichloroethane	25.0	24.7	ug/L		99	71 - 129
1,1-Dichloroethene	25.0	25.6	ug/L		102	65 - 138
1,2-Dichlorobenzene	25.0	24.8	ug/L		99	77 - 120
1,2-Dichloroethane	25.0	25.5	ug/L		102	75 - 127
Benzene	25.0	25.6	ug/L		102	71 - 124
Chlorobenzene	25.0	24.4	ug/L		98	72 - 120
cis-1,2-Dichloroethene	25.0	25.8	ug/L		103	74 - 124
Ethylbenzene	25.0	25.3	ug/L		101	77 - 123
Methyl tert-butyl ether	25.0	24.7	ug/L		99	64 - 127
Tetrachloroethene	25.0	25.6	ug/L		102	74 - 122
Toluene	25.0	25.3	ug/L		101	70 - 122
trans-1,2-Dichloroethene	25.0	25.8	ug/L		103	73 - 127

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-30409/4

Matrix: Water

Analysis Batch: 30409

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Trichloroethene	25.0	25.9		ug/L		104	74 - 123

Surrogate	LCS % Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		66 - 137
Toluene-d8 (Surr)	94		71 - 126
4-Bromofluorobenzene (Surr)	91		73 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-30307/1-A

Matrix: Water

Analysis Batch: 30464

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.0	U	5.0	0.65	ug/L		09/07/11 06:00	09/08/11 14:53	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		09/07/11 06:00	09/08/11 14:53	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		09/07/11 06:00	09/08/11 14:53	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		09/07/11 06:00	09/08/11 14:53	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		09/07/11 06:00	09/08/11 14:53	1
Dimethylphenol	5.0	U	5.0	0.50	ug/L		09/07/11 06:00	09/08/11 14:53	1
Dinitrophenol	10	U	10	2.2	ug/L		09/07/11 06:00	09/08/11 14:53	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		09/07/11 06:00	09/08/11 14:53	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		09/07/11 06:00	09/08/11 14:53	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		09/07/11 06:00	09/08/11 14:53	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		09/07/11 06:00	09/08/11 14:53	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		09/07/11 06:00	09/08/11 14:53	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		09/07/11 06:00	09/08/11 14:53	1
2-Nitroaniline	10	U	10	0.42	ug/L		09/07/11 06:00	09/08/11 14:53	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		09/07/11 06:00	09/08/11 14:53	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		09/07/11 06:00	09/08/11 14:53	1
3-Nitroaniline	10	U	10	0.48	ug/L		09/07/11 06:00	09/08/11 14:53	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		09/07/11 06:00	09/08/11 14:53	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		09/07/11 06:00	09/08/11 14:53	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		09/07/11 06:00	09/08/11 14:53	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		09/07/11 06:00	09/08/11 14:53	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		09/07/11 06:00	09/08/11 14:53	1
4-Methylphenol	10	U	10	0.36	ug/L		09/07/11 06:00	09/08/11 14:53	1
4-Nitroaniline	10	U	10	0.25	ug/L		09/07/11 06:00	09/08/11 14:53	1
4-Nitrophenol	10	U	10	1.5	ug/L		09/07/11 06:00	09/08/11 14:53	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		09/07/11 06:00	09/08/11 14:53	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		09/07/11 06:00	09/08/11 14:53	1
Acetophenone	5.0	U	5.0	0.54	ug/L		09/07/11 06:00	09/08/11 14:53	1
Anthracene	5.0	U	5.0	0.28	ug/L		09/07/11 06:00	09/08/11 14:53	1
Atrazine	5.0	U	5.0	0.46	ug/L		09/07/11 06:00	09/08/11 14:53	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		09/07/11 06:00	09/08/11 14:53	1
Benzo(a)anthracene	5.0	U	5.0	0.36	ug/L		09/07/11 06:00	09/08/11 14:53	1
Benzo(a)pyrene	5.0	U	5.0	0.47	ug/L		09/07/11 06:00	09/08/11 14:53	1
Benzo(b)fluoranthene	5.0	U	5.0	0.34	ug/L		09/07/11 06:00	09/08/11 14:53	1
Benzo(g,h,i)perylene	5.0	U	5.0	0.35	ug/L		09/07/11 06:00	09/08/11 14:53	1

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-30307/1-A

Matrix: Water

Analysis Batch: 30464

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30307

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(k)fluoranthene	5.0	U	5.0	0.73	ug/L		09/07/11 06:00	09/08/11 14:53	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		09/07/11 06:00	09/08/11 14:53	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		09/07/11 06:00	09/08/11 14:53	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	1.8	ug/L		09/07/11 06:00	09/08/11 14:53	1
Butyl benzyl phthalate	5.0	U	5.0	0.42	ug/L		09/07/11 06:00	09/08/11 14:53	1
Caprolactam	5.0	U	5.0	2.2	ug/L		09/07/11 06:00	09/08/11 14:53	1
Carbazole	5.0	U	5.0	0.30	ug/L		09/07/11 06:00	09/08/11 14:53	1
Chrysene	5.0	U	5.0	0.33	ug/L		09/07/11 06:00	09/08/11 14:53	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		09/07/11 06:00	09/08/11 14:53	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		09/07/11 06:00	09/08/11 14:53	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		09/07/11 06:00	09/08/11 14:53	1
Dibenzofuran	10	U	10	0.51	ug/L		09/07/11 06:00	09/08/11 14:53	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		09/07/11 06:00	09/08/11 14:53	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		09/07/11 06:00	09/08/11 14:53	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		09/07/11 06:00	09/08/11 14:53	1
Fluorene	5.0	U	5.0	0.36	ug/L		09/07/11 06:00	09/08/11 14:53	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		09/07/11 06:00	09/08/11 14:53	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		09/07/11 06:00	09/08/11 14:53	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		09/07/11 06:00	09/08/11 14:53	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		09/07/11 06:00	09/08/11 14:53	1
Indeno(1,2,3-cd)pyrene	5.0	U	5.0	0.47	ug/L		09/07/11 06:00	09/08/11 14:53	1
Isophorone	5.0	U	5.0	0.43	ug/L		09/07/11 06:00	09/08/11 14:53	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		09/07/11 06:00	09/08/11 14:53	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		09/07/11 06:00	09/08/11 14:53	1
Naphthalene	5.0	U	5.0	0.76	ug/L		09/07/11 06:00	09/08/11 14:53	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		09/07/11 06:00	09/08/11 14:53	1
Pentachlorophenol	10	U	10	2.2	ug/L		09/07/11 06:00	09/08/11 14:53	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		09/07/11 06:00	09/08/11 14:53	1
Phenol	5.0	U	5.0	0.39	ug/L		09/07/11 06:00	09/08/11 14:53	1
Pyrene	5.0	U	5.0	0.34	ug/L		09/07/11 06:00	09/08/11 14:53	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Benzyl alcohol	3.50	J	ug/L		6.08	100-51-6	09/07/11 06:00	09/08/11 14:53	1
Ethyl citrate	7.80	J N	ug/L		10.75	77-93-0	09/07/11 06:00	09/08/11 14:53	1
Unknown	15.1	J	ug/L		12.81		09/07/11 06:00	09/08/11 14:53	1
Unknown	11.8	J	ug/L		13.33		09/07/11 06:00	09/08/11 14:53	1
Unknown	21.4	J	ug/L		13.63		09/07/11 06:00	09/08/11 14:53	1
Unknown	4.94	J	ug/L		13.91		09/07/11 06:00	09/08/11 14:53	1
Unknown	21.8	J	ug/L		14.10		09/07/11 06:00	09/08/11 14:53	1
Unknown	7.94	J	ug/L		14.25		09/07/11 06:00	09/08/11 14:53	1
Unknown	18.9	J	ug/L		14.37		09/07/11 06:00	09/08/11 14:53	1
Unknown	6.98	J	ug/L		14.65		09/07/11 06:00	09/08/11 14:53	1
Unknown	25.7	J	ug/L		14.84		09/07/11 06:00	09/08/11 14:53	1
Unknown	6.35	J	ug/L		15.47		09/07/11 06:00	09/08/11 14:53	1
Unknown	25.6	J	ug/L		15.70		09/07/11 06:00	09/08/11 14:53	1
Unknown	5.66	J	ug/L		16.52		09/07/11 06:00	09/08/11 14:53	1
Unknown	12.1	J	ug/L		16.84		09/07/11 06:00	09/08/11 14:53	1

QC Sample Results

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-30307/1-A

Matrix: Water

Analysis Batch: 30464

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30307

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
2,4,6-Tribromophenol	112		52 - 132	09/07/11 06:00	09/08/11 14:53	1
2-Fluorobiphenyl	89		48 - 120	09/07/11 06:00	09/08/11 14:53	1
2-Fluorophenol	45		20 - 120	09/07/11 06:00	09/08/11 14:53	1
Nitrobenzene-d5	81		46 - 120	09/07/11 06:00	09/08/11 14:53	1
p-Terphenyl-d14	113		24 - 136	09/07/11 06:00	09/08/11 14:53	1
Phenol-d5	33		16 - 120	09/07/11 06:00	09/08/11 14:53	1

Lab Sample ID: LCS 480-30307/2-A

Matrix: Water

Analysis Batch: 30464

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2,4-Dinitrotoluene	100	116		ug/L		116	59 - 125
2-Chlorophenol	100	87.5		ug/L		88	48 - 120
4-Chloro-3-methylphenol	100	107		ug/L		107	64 - 120
4-Nitrophenol	100	56.2		ug/L		56	16 - 120
Acenaphthene	100	97.1		ug/L		97	60 - 120
Bis(2-ethylhexyl) phthalate	100	118		ug/L		118	69 - 136
Fluorene	100	107		ug/L		107	66 - 129
1,2-Dichloroethane	100	45.4		ug/L		45	25 - 120
Nitrosodi-n-propylamine	100	101		ug/L		101	56 - 120
Pentachlorophenol	100	112		ug/L		112	39 - 136
Phenol	100	46.3		ug/L		46	17 - 120
Pyrene	100	114		ug/L		114	58 - 136

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
2,4,6-Tribromophenol	120		52 - 132
2-Fluorobiphenyl	102		48 - 120
2-Fluorophenol	57		20 - 120
Nitrobenzene-d5	95		46 - 120
p-Terphenyl-d14	122		24 - 136
Phenol-d5	41		16 - 120

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-30184/1-A

Matrix: Water

Analysis Batch: 30441

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30184

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	0.0050	U	0.0050	0.0030	mg/L		09/07/11 08:30	09/07/11 16:40	1

Lab Sample ID: LCS 480-30184/2-A

Matrix: Water

Analysis Batch: 30441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30184

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	0.200	0.202		mg/L		101	80 - 120

QC Association Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

GC/MS VOA

Analysis Batch: 30122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9354-1	MW4DR-110901	Total/NA	Water	8260B	
480-9354-2	MW8D-110901	Total/NA	Water	8260B	
480-9354-3	MW5S-110901	Total/NA	Water	8260B	
480-9354-4	MW3D-110901	Total/NA	Water	8260B	
480-9354-5	MW9D-110902	Total/NA	Water	8260B	
480-9354-6	MW7D-110902	Total/NA	Water	8260B	
480-9354-7	MW7D-110902D	Total/NA	Water	8260B	
480-9354-8	MW10D-110902	Total/NA	Water	8260B	
480-9354-9	TB-110902	Total/NA	Water	8260B	
LCS 480-30122/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-30122/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 30261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9354-1 - DL	MW4DR-110901	Total/NA	Water	8260B	
480-9354-4 - DL	MW3D-110901	Total/NA	Water	8260B	
LCS 480-30261/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-30261/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 30409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9354-5 - DL	MW9D-110902	Total/NA	Water	8260B	
LCS 480-30409/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-30409/5	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 30307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9354-1	MW4DR-110901	Total/NA	Water	3510C	
480-9354-2	MW8D-110901	Total/NA	Water	3510C	
480-9354-3	MW5S-110901	Total/NA	Water	3510C	
480-9354-4	MW3D-110901	Total/NA	Water	3510C	
480-9354-5	MW9D-110902	Total/NA	Water	3510C	
480-9354-6	MW7D-110902	Total/NA	Water	3510C	
480-9354-7	MW7D-110902D	Total/NA	Water	3510C	
480-9354-8	MW10D-110902	Total/NA	Water	3510C	
LCS 480-30307/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-30307/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 30464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9354-1	MW4DR-110901	Total/NA	Water	8270C	30307
480-9354-2	MW8D-110901	Total/NA	Water	8270C	30307
480-9354-3	MW5S-110901	Total/NA	Water	8270C	30307
480-9354-4	MW3D-110901	Total/NA	Water	8270C	30307
480-9354-5	MW9D-110902	Total/NA	Water	8270C	30307
480-9354-6	MW7D-110902	Total/NA	Water	8270C	30307
480-9354-7	MW7D-110902D	Total/NA	Water	8270C	30307
480-9354-8	MW10D-110902	Total/NA	Water	8270C	30307
LCS 480-30307/2-A	Lab Control Sample	Total/NA	Water	8270C	30307
MB 480-30307/1-A	Method Blank	Total/NA	Water	8270C	30307

QC Association Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

als

Prep Batch: 30184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9354-1	MW4DR-110901	Total/NA	Water	3005A	
480-9354-2	MW8D-110901	Total/NA	Water	3005A	
480-9354-3	MW5S-110901	Total/NA	Water	3005A	
480-9354-4	MW3D-110901	Total/NA	Water	3005A	
480-9354-5	MW9D-110902	Total/NA	Water	3005A	
480-9354-6	MW7D-110902	Total/NA	Water	3005A	
480-9354-7	MW7D-110902D	Total/NA	Water	3005A	
480-9354-8	MW10D-110902	Total/NA	Water	3005A	
LCS 480-30184/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-30184/1-A	Method Blank	Total/NA	Water	3005A	

Analysis Batch: 30441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9354-1	MW4DR-110901	Total/NA	Water	6010B	30184
480-9354-2	MW8D-110901	Total/NA	Water	6010B	30184
480-9354-3	MW5S-110901	Total/NA	Water	6010B	30184
480-9354-4	MW3D-110901	Total/NA	Water	6010B	30184
480-9354-5	MW9D-110902	Total/NA	Water	6010B	30184
480-9354-6	MW7D-110902	Total/NA	Water	6010B	30184
480-9354-7	MW7D-110902D	Total/NA	Water	6010B	30184
480-9354-8	MW10D-110902	Total/NA	Water	6010B	30184
LCS 480-30184/2-A	Lab Control Sample	Total/NA	Water	6010B	30184
480-30184/1-A	Method Blank	Total/NA	Water	6010B	30184

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW4DR-110901

Lab Sample ID: 480-935

Date Collected: 09/01/11 06:49

Matrix: Water

Date Received: 09/02/11 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	30122	09/06/11 16:46	RJ	TAL BUF
Total/NA	Analysis	8260B	DL	4	30261	09/07/11 14:48	LH	TAL BUF
Total/NA	Prep	3510C			30307	09/07/11 06:00	KV	TAL BUF
Total/NA	Analysis	8270C		1	30464	09/08/11 15:41	MP	TAL BUF
Total/NA	Prep	3005A			30184	09/07/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	30441	09/07/11 17:25	AH	TAL BUF

Client Sample ID: MW8D-110901

Lab Sample ID: 480-9354-2

Date Collected: 09/01/11 08:15

Matrix: Water

Date Received: 09/02/11 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	30122	09/06/11 17:11	RJ	TAL BUF
Total/NA	Prep	3510C			30307	09/07/11 06:00	KV	TAL BUF
Total/NA	Analysis	8270C		1	30464	09/08/11 16:04	MP	TAL BUF
Total/NA	Prep	3005A			30184	09/07/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	30441	09/07/11 17:28	AH	TAL BUF

Client Sample ID: MW5S-110901

Lab Sample ID: 480-935

Date Collected: 09/01/11 09:15

Matrix: Water

Date Received: 09/02/11 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	30122	09/06/11 17:36	RJ	TAL BUF
Total/NA	Prep	3510C			30307	09/07/11 06:00	KV	TAL BUF
Total/NA	Analysis	8270C		1	30464	09/08/11 16:28	MP	TAL BUF
Total/NA	Prep	3005A			30184	09/07/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	30441	09/07/11 17:30	AH	TAL BUF

Client Sample ID: MW3D-110901

Lab Sample ID: 480-9354-4

Date Collected: 09/01/11 12:33

Matrix: Water

Date Received: 09/02/11 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	30122	09/06/11 18:01	RJ	TAL BUF
Total/NA	Analysis	8260B	DL	4	30261	09/07/11 15:14	LH	TAL BUF
Total/NA	Prep	3510C			30307	09/07/11 06:00	KV	TAL BUF
Total/NA	Analysis	8270C		1	30464	09/08/11 16:52	MP	TAL BUF
Total/NA	Prep	3005A			30184	09/07/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	30441	09/07/11 17:32	AH	TAL BUF

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: MW9D-110902

Lab Sample ID: 480-9354-5

Date Collected: 09/02/11 08:13

Matrix: Water

Date Received: 09/02/11 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		4	30122	09/06/11 18:27	RJ	TAL BUF
Total/NA	Analysis	8260B	DL	10	30409	09/08/11 12:45	CDC	TAL BUF
Total/NA	Prep	3510C			30307	09/07/11 06:00	KV	TAL BUF
Total/NA	Analysis	8270C		1	30464	09/08/11 17:16	MP	TAL BUF
Total/NA	Prep	3005A			30184	09/07/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	30441	09/07/11 17:35	AH	TAL BUF

Client Sample ID: MW7D-110902

Lab Sample ID: 480-9354-6

Date Collected: 09/02/11 12:10

Matrix: Water

Date Received: 09/02/11 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	30122	09/06/11 18:52	RJ	TAL BUF
Total/NA	Prep	3510C			30307	09/07/11 06:00	KV	TAL BUF
Total/NA	Analysis	8270C		1	30464	09/08/11 17:39	MP	TAL BUF
Total/NA	Prep	3005A			30184	09/07/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	30441	09/07/11 17:37	AH	TAL BUF

Client Sample ID: MW7D-110902D

Lab Sample ID: 480-9354-7

Date Collected: 09/02/11 12:10

Matrix: Water

Date Received: 09/02/11 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	30122	09/06/11 19:17	RJ	TAL BUF
Total/NA	Prep	3510C			30307	09/07/11 06:00	KV	TAL BUF
Total/NA	Analysis	8270C		1	30464	09/08/11 18:03	MP	TAL BUF
Total/NA	Prep	3005A			30184	09/07/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	30441	09/07/11 17:40	AH	TAL BUF

Client Sample ID: MW10D-110902

Lab Sample ID: 480-9354-8

Date Collected: 09/02/11 13:58

Matrix: Water

Date Received: 09/02/11 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	30122	09/06/11 19:42	RJ	TAL BUF
Total/NA	Prep	3510C			30307	09/07/11 06:00	KV	TAL BUF
Total/NA	Analysis	8270C		1	30464	09/08/11 18:27	MP	TAL BUF
Total/NA	Prep	3005A			30184	09/07/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	30441	09/07/11 17:46	AH	TAL BUF

Lab Chronicle

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Client Sample ID: TB-110902

Lab Sample ID: 480-9354-1

Date Collected: 09/02/11 14:00

Matrix: Water

Date Received: 09/02/11 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	30122	09/06/11 20:07	RJ	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	USDA		P330-08-00242
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1877
TestAmerica Buffalo	West Virginia	West Virginia DEP	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ENVIRON International Corp.
Project/Site: VDM Lockport

TestAmerica Job ID: 480-9354-1

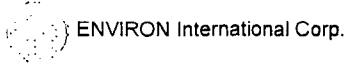
Sample ID	Client Sample ID	Matrix	Collected	Received
480-9354-1	MW4DR-110901	Water	09/01/11 06:49	09/02/11 17:00
480-9354-2	MW8D-110901	Water	09/01/11 08:15	09/02/11 17:00
480-9354-3	MW5S-110901	Water	09/01/11 09:15	09/02/11 17:00
480-9354-4	MW3D-110901	Water	09/01/11 12:33	09/02/11 17:00
480-9354-5	MW9D-110902	Water	09/02/11 08:13	09/02/11 17:00
480-9354-6	MW7D-110902	Water	09/02/11 12:10	09/02/11 17:00
480-9354-7	MW7D-110902D	Water	09/02/11 12:10	09/02/11 17:00
480-9354-8	MW10D-110902	Water	09/02/11 13:58	09/02/11 17:00
480-9354-9	TB-110902	Water	09/02/11 14:00	09/02/11 17:00

TestAmerica

*** ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED ***

Client Information Client Contact Mr. Jay Shipley Company ENVIRON International Corp. Address 214 Carnegie Center Suite 200 City Princeton State, Zip NJ, 08540 Phone 609 452 9000 Email jshipley@environcorp.com Project Name VDM Lockport Site 		Sample Jay Shipley Phone 609 306 5178 Lab PM Gray-Erdmann, Peggy E-Mail peggy.gray-erdmann@testamericanc.com Carrier Tracking No(s) 		COC No 480-16298-3823.1 Page Page 1 of 2 Job #	
Due Date Requested TAT Requested (days) 7 - day PO # Purchase Order not requir WO # Project # 48004795 SSOW#		Analysis Requested Field Filtered Sample (Yes or No) Permeable Reactive Barriers (Yes or No) 6010B - (MOD) TCL test DLM6.2 8280B - (MOD) TCL test DLM6.2 8270C - (MOD) TCL SVOA - CLM04.2 Total Number of Containers			
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (Water, Soil, Sediment, Air, Sludge, etc.) Preservation Code: 		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2OxLS E - NaHSO4 Q - Na2SO3 F - MeOH R - NaHS2903 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dipicahydrate I - Ice U - acetone J - DI Water V - MCAA K - EDTA W - pH 4.5 L - EDA Z - other (specify) Other: 			
Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (Water, Soil, Sediment, Air, Sludge, etc.) Preservation Code: 		Special Instructions/Note: 			
MW4 DR - 110901 MW8D - 110901 MW55 - 110901 MW3D - 110901 MW9D - 110902 MW7D - 110902 MW7D - 110902D MW10D - 110902 TB - 110902 		9/1/11 0649 0815 0915 1233 9/2/11 0813 1210 1210 1358 1400 			
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested I II III IV Other (specify) <u>None Reduced</u> Empty Kit Relinquished by: <u>[Signature]</u> Date: <u>9/2/11</u> Time: <u>1700</u> Method: <u>Shipment</u> Relinquished by: <u>[Signature]</u> Date/Time: <u>9/2/11 1700</u> Company: <u>ENVIRON</u> Relinquished by: <u>[Signature]</u> Date/Time: <u>9/2/11 1700</u> Company: <u>B&B</u> Relinquished by: <u>[Signature]</u> Date/Time: <u>9/2/11 1700</u> Company: <u>B&B</u> Customer Seal Intact: <u>Yes</u> Custody Seal No: <u>402.4°C</u> Cooler Temperature(s) °C and Other Remarks: <u>402.4°C</u>		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/OC Requirements			

Login Sample Receipt Checklist



Job Number: 480-9354-1

Login Number: 9354

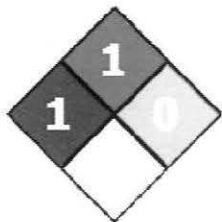




List Source: TestAmerica Buffalo

List Number: 1

Creator: Kinecki, Kenneth

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	4 @ 2.4 C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ENVIRON
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>1</td></tr><tr><td>Fire Hazard</td><td>1</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	1	Fire Hazard	1	Reactivity	0	   	
Health Hazard	1								
Fire Hazard	1								
Reactivity	0								

Issuing Date 15-Aug-2007

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name (Acryloyloxy) ethyl n-butyl carbamate

Synonyms Actioryl CI 1039

Recommended Use Chemical intermediate.

Supplier Address

VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094, USA
Telephone: 716-433-6764

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

CAUTION!

Emergency Overview

Irritating to eyes, respiratory system and skin
Vapors may be irritating to eyes, nose, throat, and lungs
Sensitivity to light
Hazardous polymerization may occur; proper storage required

Appearance Clear, Colorless to yellow

Physical State Liquid

Odor Characteristic

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Principle Routes of Exposure

Inhalation, Skin contact, Eye contact.

Acute Toxicity

Eyes

Irritating to eyes. May cause redness, itching, and pain.

Skin

Irritating to skin.

Inhalation

Irritating to respiratory system. Irritating to mucous membranes.

Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion may cause irritation to mucous membranes.
Chronic Effects	Avoid repeated exposure.
Aggravated Medical Conditions	Preexisting eye disorders. Respiratory disorders. Skin disorders.
Environmental Hazard	See Section 12 for additional Ecological information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name	Acticryl CI 1039.
Chemical Family	Carbamic acid derivative.
Formula	C ₁₀ H ₁₇ NO ₄

Chemical Name	CAS-No	Weight %
2-Propenoic acid, 2-[[[(butylamino)carbonyl]oxy]ethyl ester	63225-53-6	96 min.

Inhibitors have been added to stabilize this product.

4. FIRST AID MEASURES

General Advice	Immediate medical attention is not required. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. Artificial respiration and/or oxygen may be necessary. If symptoms persist, call a physician.
Ingestion	Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Consult a physician.
Notes to Physician	Treat symptomatically.
Protection of First-aiders	Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Combustible material: may burn but does not ignite readily.
Flash Point	> 110°C / 230°F
Suitable Extinguishing Media	Carbon dioxide (CO ₂). Dry powder. Foam. Water spray.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Explosion Data	
Sensitivity to mechanical impact	None
Sensitivity to static discharge	None

Specific Hazards Arising from the Chemical

The product causes irritation of eyes, skin and mucous membranes. Thermal decomposition can lead to release of toxic and corrosive gases/vapors. In the event of fire and/or explosion do not breathe fumes.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA	Health Hazard 1	Flammability 1	Stability 0	Physical and Chemical Hazards -
HMS	Health Hazard 1	Flammability 1	Stability 0	Personal Precautions H

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
Methods for Containment	Dike to collect large liquid spills. Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Soak up with inert absorbent material. Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.
Other Information	Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.
Storage	Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Keep away from heat. Protect from light. Keep container tightly closed. Store contents under air (not inert gas). Added inhibitors and oxygen needed to prevent polymerization.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	Showers Eyewash stations Ventilation systems
Personal Protective Equipment	
Eye/Face Protection	Safety glasses with side-shields.
Skin and Body Protection	Long sleeved clothing. Apron. Impervious gloves.
Respiratory Protection	If irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene Measures	When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear. Colorless to yellow.	Odor	Characteristic.
Odor Threshold	No information available	Physical State	Liquid.
pH	Not applicable		
Flash Point	> 110°C / 230°F	Autoignition Temperature	Not applicable
Decomposition Temperature	168°C	Boiling Point/Range	> 100°C / 212°F
Melting Point/Range	No information available.		
Flammability Limits in Air	No information available.	Explosion Limits	No information available.
Specific Gravity	No information available.	Water Solubility	Insoluble in water.
Solubility	Organic solvents.	Evaporation Rate	No information available.
Vapor Pressure	No information available.	Vapor Density	No information available.
Density	1.07 g/cm ³	VOC Content	Not applicable.
Partition Coefficient (n-octanol/water)	No information available.		

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions. Stable up to approximately 168°C. Hazardous polymerization may occur.
Incompatible Products	Strong oxidizing agents. Free radical initiators. Oxygen scavengers.
Conditions to Avoid	Exposure to light. Exposure to UV-rays. Exposure to inert gas. To avoid thermal decomposition, do not overheat.
Hazardous Decomposition Products	May emit toxic fumes under fire conditions. Carbon oxides. Nitrogen oxides (NOx). Amines.
Hazardous Polymerization	Hazardous polymerization may occur. Inhibitors have been added to stabilize this product. Maintaining air in the storage containers is important to keep inhibitors active.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Irritation	Irritating to eyes, respiratory system and skin.
LD50 Oral VALUE (mg/kg)	> 2000 mg/kg (rat)

Chronic Toxicity

Chronic Toxicity	Avoid repeated exposure.
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Sensitization	No information available.
Target Organ Effects	Eyes, Respiratory system, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Persistence and Degradability	No information available.
Bioaccumulation/ Accumulation	No information available.
Mobility	No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method	This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements
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Contaminated Packaging	Dispose of in accordance with local regulations.
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14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

15. REGULATORY INFORMATION

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL	Does not Comply
EINECS/ELINCS	Complies
ENCS	Does not Comply
CHINA	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations**International Regulations**

Mexico - Grade Slight risk, Grade 1

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials



16. OTHER INFORMATION

Issuing Date 15-Aug-2007




Revision Date

Revision Note No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>3*</td></tr><tr><td>Fire Hazard</td><td>3</td></tr><tr><td>Reactivity</td><td>2</td></tr></table>	Health Hazard	3*	Fire Hazard	3	Reactivity	2		
Health Hazard	3*								
Fire Hazard	3								
Reactivity	2								

*Indicates a chronic health hazard.

Issuing Date 28-May-2008

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name 2-Carbomethoxybenzenesulfonyl Isocyanate Solution in Xylene

UN-No UN3080

Supplier Address

VanDeMark Chemical Inc
1 North Transit Road
Lockport NY 14094 USA
Telephone: 716-433-6764

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

FLAMMABLE LIQUID AND VAPOR

Corrosive

Toxic

Harmful by inhalation, in contact with skin and if swallowed

May produce an allergic reaction

Water reactive

Appearance Clear to yellow

Physical State Liquid.

Odor Aromatic, Acrid

Potential Health Effects

Principle Routes of Exposure

Inhalation, Skin contact, Eye contact.

Acute Toxicity

Eyes

Causes burns. Corrosive to the eyes and may cause severe damage including blindness. Risk of serious damage to eyes.

Skin

Harmful in contact with skin. Causes burns. May cause sensitization by skin contact.

Inhalation

Harmful by inhalation. Causes burns. May cause allergic respiratory reaction.

Ingestion

Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract. May cause additional affects as listed under "Inhalation".

Chronic Effects

Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risks of irreversible effects.

Aggravated Medical Conditions

Allergies, Skin disorders, Respiratory disorders.

Interactions with Other Chemicals

Irritants. Sensitizers. Epoxies.

Environmental Hazard

See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Xylenes (o-, m-, p- isomers)	1330-20-7	60-75
2-Carbomethoxybenzenesulfonyl Isocyanate	74222-95-0	25-40

4. FIRST AID MEASURES

General Advice	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
Eye Contact	Immediate medical attention is required.. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician if necessary.
Inhalation	Call a physician or Poison Control Center immediately. Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
Ingestion	Immediate medical attention is required. Call a physician or Poison Control Center immediately. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Remove from exposure, lie down.
Notes to Physician	Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.
Protection of First-aiders	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Flammable; may be ignited by heat, sparks or flames.			
Flash Point	84°F / 29°C			
Suitable Extinguishing Media	Carbon dioxide (CO ₂). Foam. Dry powder.			
Unsuitable Extinguishing Media	Water.			
Hazardous Combustion Products	Carbon monoxide, Carbon dioxide (CO ₂), Sulfur oxides, Aromatic sulfonamide.			
Explosion Data				
Sensitivity to Mechanical Impact	None			
Sensitivity to Static Discharge	Yes.			
Specific Hazards Arising from the Chemical	The product causes burns of eyes, skin and mucous membranes. Flammable. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.			
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.			
NFPA	Health Hazard 3	Flammability 3	Stability 2	Physical and Chemical Hazards W
HMIS	Health Hazard 3*	Flammability 3	Physical Hazard 0	Personal Protection X

*Indicates a chronic health hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers.
Other Information	Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling	Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep away from heat and sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection

Tightly fitting safety goggles. Face-shield.

Skin and Body Protection

Protective gloves. Nitrile rubber. Impervious butyl rubber gloves. Impervious clothing. Apron. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Respiratory Protection

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin, eyes and clothing. For environmental protection, remove and wash all contaminated protective equipment before re-use. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear to yellow.	Odor	Aromatic, Acrid.
Odor Threshold	No information available	Physical State	Liquid
pH	Not applicable		
Flash Point	84°F / 29°C	Autoignition Temperature	495°C / 923°F
Decomposition Temperature	No information available	Boiling Point/Range	144°C / 291°F
Melting Point/Range	No information available		
Flammability Limits in Air	No information available	Explosion Limits	No information available
Water Solubility	Reacts with water	Solubility	No information available
Evaporation Rate	No information available	Vapor Pressure	38 mmHg @ 20 °C
Vapor Density	No data available	VOC Content	70

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Incompatible Products	Strong acids. Strong bases. Water. Alcohols. Amines.
Conditions to Avoid	Heating in air. Exposure to air or moisture over prolonged periods.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide (CO). Carbon dioxide (CO ₂). Sulfur oxides. Aromatic sulfonamide.
Hazardous Polymerization	Hazardous polymerization may occur in the presence of alcohols, acids, bases and amines.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information	Harmful by inhalation, in contact with skin and if swallowed.
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Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Xylenes (o-, m-, p- isomers)	4300 mg/kg (Rat)	1700 mg/kg (Rabbit)	47635 mg/L (Rat) 4 h 5000 ppm (Rat) 4 h
2-Carbomethoxybenzenesulfonyl isocyanate	350 mg/kg (Rat)	500 mg/kg (Rat)	

Chronic Toxicity

Chronic Toxicity	Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risks of irreversible effects.
Sensitization	May cause sensitization of susceptible persons.
Target Organ Effects	Skin.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Harmful to aquatic organisms.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Xylenes (o-, m-, p- isomers)		LC50= 13.4 mg/L Pimephales promelas 96 h LC50= 16.1 mg/L Lepomis macrochirus 96 h LC50= 26.7 mg/L Pimephales promelas 96 h LC50= 8.05 mg/L Oncorhynchus mykiss 96 h	EC50 = 0.0084 mg/L 24 h	LC50 = 0.6 mg/L 48 h EC50 = 3.82 mg/L 48 h

Chemical Name	Log Pow
Xylenes (o-, m-, p- isomers)	3.15

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated Packaging Do not re-use empty containers.

US EPA Waste Number D001
D002

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Xylenes (o-, m-, p- isomers) - 1330-20-7		Included in waste stream: F039		U239

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Xylenes (o-, m-, p- isomers)	Toxic; Ignitable

14. TRANSPORT INFORMATION**DOT**

Proper Shipping Name Isocyanate solution, toxic, flammable, n.o.s.
Hazard Class 6.1
Subsidiary Class 3
UN-No UN3080
Packing Group II
Reportable Quantity (RQ) Xylenes isomers and mixture, RQ kg = 64.85714
Description Isocyanate solutions, toxic, flammable, n.o.s. (2-carbomethoxybenzenesulfonyl isocyanate, xylenes), 6.1, (3), UN3080, PG II RQ (Xylenes)
Emergency Response Guide Number 155

TDG

Proper Shipping Name Isocyanate solution, toxic, flammable, n.o.s.
Hazard Class 6.1
Subsidiary Class 3
UN-No UN3080
Packing Group II

14. TRANSPORT INFORMATION

Description	ISOCYANATE SOLUTION, TOXIC, FLAMMABLE, N.O.S.(2-carbomethoxybenzenesulfonyl isocyanate, xylenes),6.1,UN3080,PG II
--------------------	---

MEX

Proper Shipping Name	Isocyanates, toxic, flammable, n.o.s.
Hazard Class	6.1
Subsidiary Class	3
UN-No	UN3080
Packing Group	II
Description	UN3080 Isocyanates, toxic, flammable, n.o.s.(2-carbomethoxybenzenesulfonyl isocyanate, xylenes),6.1,II

ICAO

UN-No	UN3080
Proper Shipping Name	Isocyanate solution, toxic, flammable, n.o.s.
Hazard Class	6.1
Subsidiary Class	3
Packing Group	II
Description	Isocyanate solution, toxic, flammable, n.o.s.(2-carbomethoxybenzenesulfonyl isocyanate, xylenes),6.1(3),UN3080,PG II

IATA

UN-No	UN3080
Proper Shipping Name	Isocyanate solution, toxic, flammable, n.o.s.
Hazard Class	6.1
Subsidiary Class	3
Packing Group	II
ERG Code	6F
Description	UN3080,Isocyanate solution, toxic, flammable, n.o.s.(2-carbomethoxybenzenesulfonyl isocyanate, xylenes),6.1(3),PG II

IMDG/IMO

Proper Shipping Name	Isocyanates, toxic, flammable, n.o.s.
Hazard Class	6.1
Subsidiary Class	3
UN-No	UN3080
Packing Group	II
EmS No.	F-E, S-D
Description	UN3080, Isocyanates, toxic, flammable, n.o.s.(2-carbomethoxybenzenesulfonyl isocyanate, xylenes),6.1(3),PG II

RID

Proper Shipping Name	Isocyanates, toxic, flammable, n.o.s.
Hazard Class	6.1
UN-No	UN3080
Packing Group	II
Classification Code	TF1
Description	UN3080 Isocyanates, toxic, flammable, n.o.s.(2-carbomethoxybenzenesulfonyl isocyanate, xylenes),6.1,II,RID
ADR/RID-Labels	6.1 + 3

ADR

Proper Shipping Name	Isocyanates, toxic, flammable, n.o.s.
Hazard Class	6.1
UN-No	UN3080
Packing Group	II
Classification Code	TF1

14. TRANSPORT INFORMATION

Description UN3080 Isocyanates, toxic, flammable, n.o.s.(2-carbomethoxybenzenesulfonyl isocyanate, xylenes),6.1,II
ADR/RID-Labels 6.1 + 3

ADN

Proper Shipping Name Isocyanates, toxic, flammable, n.o.s.
Hazard Class 6.1
Packing Group II
Classification Code TF1
Special Provisions 274, 551, 802
Description UN3080 Isocyanates, toxic, flammable, n.o.s.(2-carbomethoxybenzenesulfonyl isocyanate, xylenes),6.1,II
Hazard Labels 6.1 + 3
Limited Quantity LQ17
Ventilation VE01, VE02

15. REGULATORY INFORMATION**International Inventories**

TSCA Does not Comply
DSL Does not comply
ENCS Does not comply
IECSC Complies
KECL Does not comply
PICCS Does not comply
AICS Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372: .

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Xylenes (o-, m-, p- isomers)	1330-20-7	60-100	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard Yes
Sudden Release of Pressure Hazard No
Reactive Hazard Yes

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):.

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Xylenes (o-, m-, p- isomers)	100 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Xylenes (o-, m-, p- isomers)	100 lb	

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Xylenes (o-, m-, p- isomers)	X	X	X	X	X

International Regulations

Mexico - Grade Serious risk, Grade 3

Chemical Name	Carcinogen Status	Exposure Limits
Xylenes (o-, m-, p- isomers)		Mexico: TWA= 100 ppm Mexico: TWA= 435 mg/m ³ Mexico: STEL= 150 ppm Mexico: STEL= 655 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B2 Flammable liquid
D2A Very toxic materials
E Corrosive material



Chemical Name	NPRI
Xylenes (o-, m-, p- isomers)	X

Legend

NPRI - National Pollutant Release Inventory

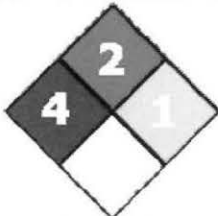


16. OTHER INFORMATION

Issuing Date 28-May-2008
Revision Date
Revision Note No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>4*</td></tr><tr><td>Fire Hazard</td><td>2</td></tr><tr><td>Reactivity</td><td>1</td></tr></table>	Health Hazard	4*	Fire Hazard	2	Reactivity	1		
Health Hazard	4*								
Fire Hazard	2								
Reactivity	1								

Issuing Date 17-Jun-2009

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name 4-(Trifluoromethoxy)phenyl Isocyanate
 UN-No UN3382
 Recommended Use Intermediate.

Supplier Address

VanDeMark Chemical Inc.
 1 North Transit Road
 Lockport, NY 14094
 Telephone: 716 433-6764

Company Emergency Phone Number 716-433-6764

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Highly toxic by inhalation

May be fatal if inhaled

May cause allergic respiratory reaction

Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates.

Irritating to eyes, respiratory system and skin

Risk of serious damage to eyes

Harmful if absorbed through skin

May cause sensitization by skin contact

Harmful if swallowed

COMBUSTIBLE LIQUID AND VAPOR

Appearance Colorless to yellowish

Physical State Liquid.

Odor Pungent

Potential Health Effects

Principle Routes of Exposure

Inhalation, Skin contact, Eye contact.

Acute Toxicity

Eyes

Irritating to eyes. May cause burns. Risk of serious damage to eyes.

Skin	Harmful in contact with skin. May be absorbed through the skin in harmful amounts. Irritating to skin. May cause sensitization by skin contact.
Inhalation	Very toxic by inhalation. May be fatal if inhaled. May cause pulmonary edema. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Irritating to respiratory system.
Ingestion	Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract. May cause additional effects as listed under "Inhalation".
Chronic Effects	Avoid repeated exposure. Repeated or prolonged contact causes sensitization, asthma and eczemas. Possible risks of irreversible effects.
Aggravated Medical Conditions	Respiratory disorders, Allergies, Skin disorders.
Interactions with Other Chemicals	Amines. Acids. Bases. Oxidizing agents. Alcohols. Water.
Environmental Hazard	See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Benzene, 1-isocyanato-4-(trifluoromethoxy)-	35037-73-1	>99

4. FIRST AID MEASURES

General Advice	Immediate medical attention is required. Remove from exposure, lie down. Take off contaminated clothing and shoes immediately. Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates. Show this safety data sheet to the doctor in attendance.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately.
Skin Contact	Wash the skin immediately with polyethyleneglycol (PEG) 300/ethanol (2:1 v/v) or PEG 400 followed by washing with plenty of soap and water. Skin should be washed immediately even when contact with the product is suspected. If skin reactions occur, contact a physician.
Inhalation	Move to fresh air. Call a physician or Poison Control Center immediately. If breathing has stopped, contact emergency medical services immediately. Administer oxygen if breathing is difficult and you are trained.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately.
Notes to Physician	Treat symptomatically. May cause sensitization of susceptible persons. Use of epinephrine may be indicated.
Protection of First-aiders	Use personal protective equipment. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Combustible liquid.
Flash Point	158°F / 70°C
Suitable Extinguishing Media	Use. Dry chemical. Carbon dioxide (CO ₂). Water spray. Alcohol-resistant foam. Use extinguishing agent suitable for type of surrounding fire.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.

Explosion Data

Sensitivity to Mechanical Impact None
Sensitivity to Static Discharge Yes.

Specific Hazards Arising from the Chemical Keep product and empty container away from heat and sources of ignition. Risk of ignition. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact.

Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA	Health Hazard 4	Flammability 2	Stability 1	Physical and Chemical Hazards -
HMIS	Health Hazard 4*	Flammability 2	Physical Hazard 1	Personal Protection -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Full encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothing.
Environmental Precautions	Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
Methods for Containment	Cover with DRY earth, DRY sand, or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain.
Methods for Cleaning Up	Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Transfer to waste container after approximately 1 hour. DO NOT SEAL container as carbon dioxide can form. Residues may be decomposed carefully by aqueous ammonia solution.

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Prevent contact with skin, eyes and clothing. Prevent breathing of mist or vapors. Use only in area provided with appropriate exhaust ventilation. Make sure all pipelines, tanks and equipment are leakproof. Suck off vapors from point of discharge. Vent waste air only via suitable separators or scrubbers. Take precautions to prevent formation of explosive mixtures. Keep away from heat, sparks and open flame. No smoking. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product.
Storage	Keep container tightly closed in a dry and well-ventilated place. Protect from moisture. Keep away from heat and sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	Showers Eyewash stations Ventilation systems
Personal Protective Equipment	
Eye/Face Protection	Tightly fitting safety goggles. Face-shield.
Skin and Body Protection	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Hand Protection: Gloves of Neoprene, Viton, or PVC for splash protection only. Gloves should be changed immediately after contact with the isocyanate.
Respiratory Protection	Full face piece respirator with organic vapor/acid gas cartridge or canister. Spill Cleanup: Wear a positive-pressure supplied-air respirator with full facepiece.
Hygiene Measures	Contaminated work clothing should not be allowed out of the workplace. Remove and wash contaminated clothing and gloves, including the inside, before re-use. When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless to yellowish.	Odor	Pungent.
Odor Threshold	No information available	Physical State	Liquid
pH	No information available		
Flash Point	158°F / 70°C	Autoignition Temperature	No information available
Decomposition Temperature	78 °C	Boiling Point/Range	182°C / 359.6°F
Melting Point/Range	-29°C / -20.2°F		
Flammability Limits in Air	No information available	Explosion Limits	
		Lower	1.97% by vol
Water Solubility	Decomposes.	Solubility	No information available
Evaporation Rate	No information available	Vapor Pressure	22 mmHg @ 78 °C
Vapor Density	No data available	Density	1.346 @ 20°C
VOC Content	100%		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions. Reacts with water.
Incompatible Products	Water. Acids. Oxidizing agents. Bases. Alcohols. Amines.
Conditions to Avoid	Protect from moisture. Heat, flames and sparks.
Hazardous Decomposition Products	Emits toxic gases/vapors under fire conditions and in contact with water. Hydrogen cyanide. Hydrogen fluoride. Nitrogen oxides (NOx). Carbon oxides.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity****Product Information**

LD50 Oral VALUE (mg/kg) 1525 mg/kg (female, rat) - 2170 mg/kg (male, rat)
LD50 Dermal VALUE 270 mg/kg (rat, male) - 680 mg/kg (rat, female), 24 h exposure
LC50 Inhalation (VAPOR) VALUE 0.023 - 0.069 (rat) mg/l [2.7 - 8.2 ppm], 4 h exposure

Inhalation Very toxic by inhalation. May be fatal if inhaled. Contact with moist mucous membranes of the respiratory system can cause burns and lung damage. May cause pulmonary edema. May cause sensitization of susceptible persons.

Eye Contact Severely irritating to eyes. Corrosive to the eyes and may cause severe damage including blindness.

Skin Contact Harmful in contact with skin. May be absorbed through the skin in harmful amounts. Irritating to skin. May cause sensitization of susceptible persons.

Ingestion Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract. May cause additional effects as listed under "Inhalation".

Chronic Toxicity

Chronic Toxicity Avoid repeated exposure. Repeated or prolonged contact causes sensitization, asthma and eczemas. Possible risks of irreversible effects.

Sensitization Skin sensitizer in guinea pig. May cause sensitization of susceptible persons. May cause sensitization by inhalation and skin contact. Isocyanates are known to be strong sensitizers.

Target Organ Effects Respiratory system, Skin, Eyes.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

The environmental impact of this product has not been fully investigated. Do not release to air, waters, or soil.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Benzene, 1-isocyanato-4-(trifluoromethoxy)-		56.2 mg/l 96 hr Brachydanio rerio	>1000 mg/l (w/activated sludge)	

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Should not be released into the environment. This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated Packaging Wash packaging with alkaline solution. Incinerate in a RCRA licensed facility. Dispose of in accordance with local regulations.

US EPA Waste Number D003

14. TRANSPORT INFORMATION

14. TRANSPORT INFORMATION**Note** Forbidden for cargo aircraft and passenger air and rail**DOT**

Proper Shipping Name Toxic by inhalation liquid, n.o.s.
Hazard Class 6.1
UN-No UN3382
Packing Group I
Description UN3382, Toxic by inhalation liquid, n.o.s. (Benzene, 1-isocyanato-4-(trifluoromethoxy)-), 6.1, PG I, Posion Inhalation Hazard, Zone B
Emergency Response Guide Number 151

TDG

Proper Shipping Name Toxic by inhalation liquid, n.o.s.
Hazard Class 6.1
UN-No UN3382
Packing Group I
Description UN3382, Toxic by inhalation liquid, n.o.s. (Benzene, 1-isocyanato-4-(trifluoromethoxy)-), 6.1, PG I

MEX

Proper Shipping Name Toxic by inhalation liquid, n.o.s.
Hazard Class 6.1
UN-No UN3382
Packing Group I
Description UN3382, Toxic by inhalation liquid, n.o.s. (Benzene, 1-isocyanato-4-(trifluoromethoxy)-), 6.1, PG I

ICAO

UN-No UN3382
Proper Shipping Name Toxic by inhalation liquid, n.o.s.
Hazard Class 6.1
Description Forbidden

IATA

UN-No UN3382
Proper Shipping Name Toxic by inhalation liquid, n.o.s.
Hazard Class 6.1
ERG Code 6L
Description Forbidden

IMDG/IMO

Proper Shipping Name Toxic by Inhalation Liquid, n.o.s.
Hazard Class 6.1
Subsidiary Class +
UN-No UN3382
Packing Group I
EmS No. F-A, S-A
Description UN3382, Toxic by Inhalation Liquid, n.o.s. (Benzene, 1-isocyanato-4-(trifluoromethoxy)-), 6.1(+), PG I

RID

Proper Shipping Name Toxic by inhalation liquid, n.o.s.
Hazard Class 6.1
UN-No UN3382
Packing Group I

14. TRANSPORT INFORMATION

Classification Code	T1 OR T4
Description	UN3382 Toxic by inhalation liquid, n.o.s.(Benzene, 1-isocyanato-4-(trifluoromethoxy)-),6.1,I,RID
ADR/RID-Labels	6.1

ADR

Proper Shipping Name	Toxic by inhalation liquid, n.o.s.
Hazard Class	6.1
UN-No	UN3382
Packing Group	I
Classification Code	T1 or T4
Description	UN3382 Toxic by inhalation liquid, n.o.s.(Benzene, 1-isocyanato-4-(trifluoromethoxy)-),6.1,I

ADN

Proper Shipping Name	Toxic by inhalation liquid, n.o.s.
Hazard Class	6.1
Packing Group	I
Classification Code	T1 or T4
Special Provisions	274, 802
Description	UN3382 Toxic by inhalation liquid, n.o.s.(Benzene, 1-isocyanato-4-(trifluoromethoxy)-),6.1,I
Hazard Labels	6.1
Limited Quantity	LQ0
Ventilation	VE02

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Not listed
NDSL	Complies
EINECS	Complies
ELINCS	Not listed
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No

Reactive Hazard

Yes

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations**International Regulations****Mexico - Grade**

Moderate risk, Grade 2

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D1A Very toxic materials

D2A Very toxic materials

B3 Combustible liquid

**16. OTHER INFORMATION****Issuing Date**

17-Jun-2009

Revision Date**Revision Note**

No information available

Disclaimer

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End of Safety Data Sheet

Issuing Date 27-Jul-2007

Revision Date 29-Jul-2011

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Amide Chloride
UN-Number UN2923
Recommended Use Chemical intermediate
Synonyms Vilsmeier Reagent, N,N-Dimethylchloromethyliminium Chloride

Supplier Address

VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094
Telephone: 716 433-6764

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Corrosive
The product causes burns of eyes, skin and mucous membranes.
Harmful by inhalation, in contact with skin and if swallowed
Contains a known or suspected reproductive toxin
May cause harm to the unborn child
Reacts violently with water
Moisture sensitive

Appearance White **Physical State** Solid, Crystalline. **Odor** Acrid, Ammoniacal

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Principle Routes of Exposure Eye contact. Skin contact.

Acute Toxicity

Eyes Causes burns. Corrosive to the eyes and may cause severe damage including blindness. Risk of serious damage to eyes.

Skin Causes burns. Contact causes severe skin irritation and possible burns. Harmful in contact with skin.

Inhalation Harmful by inhalation. Corrosive to nose, throat and respiratory tract
Ingestion Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract.

Chronic Effects Possible risks of irreversible effects. Avoid repeated exposure.

Aggravated Medical Conditions Pre-existing eye disorders. Kidney disorders. Liver disorders. Skin disorders.

Environmental Hazard See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name Vilsmeier Reagent.
Formula C₃H₇C₁₂N

Chemical Name	CAS-No	Weight %
N,N-Dimethylchloromethyliminium Chloride	3724-43-4	90-95
Dimethylformamide	68-12-2	5-10

4. FIRST AID MEASURES

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Call a physician immediately.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician or Poison Control Center immediately.

Ingestion Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician or Poison Control Center immediately. Rinse mouth.

Notes to Physician Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Symptoms may be delayed. Keep victim under observation. Treat symptomatically.

Protection of First-aiders Use personal protective equipment. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

5. FIRE-FIGHTING MEASURES

Flammable Properties Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Contact with metals may evolve flammable hydrogen gas. Containers may explode when heated.

Flash Point 200°F / > 93°C

Suitable Extinguishing Media Carbon dioxide (CO₂). Dry powder. Dry chemical. Move containers from fire area if you can do it without risk. Dike fire control water for later disposal; do not scatter the material.

Unsuitable Extinguishing Media DO NOT USE WATER OR FOAM.

Hazardous Combustion Products Hydrogen chloride. Carbon oxides. Nitrogen oxides (NO_x).

Explosion Data

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

Specific Hazards Arising from the Chemical The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

Protective Equipment and Precautions for Firefighters Corrosive hazard. Wear protective gloves/clothing and eye/face protection. As in any fire, wear self-contained breathing apparatus and full protective gear.

NFPA Health Hazard 3 Flammability 0 Instability 0 Physical and Chemical Hazards W

HMIS Health Hazard 3* Flammability 0 Physical Hazard 0 Personal Protection G

*Indicates a chronic health hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not touch or walk through spilled material. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental Precautions Prevent entry into waterways, sewers, basements or confined areas.

Methods for Containment Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Prevent dust cloud.

Methods for Cleaning Up Prevent product from entering drains. Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

Other Information DO NOT GET WATER on spilled substance or inside containers. Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling Wear personal protective equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors/dust. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Avoid dust formation. Reacts violently with water.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children. Store contents under nitrogen. Keep away from heat. Keep at temperatures below 15°C / 60°F. Shelf life 6 months.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Dimethylformamide 68-12-2	TWA: 10 ppm S*	TWA: 10 ppm TWA: 30 mg/m ³ (vacated) TWA: 10 ppm (vacated) TWA: 30 mg/m ³ (vacated) S*	IDLH: 500 ppm TWA: 10 ppm TWA: 30 mg/m ³

Legend

S* - Skin Absorber

Immediately Dangerous to Life or Health.

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection

Tightly fitting safety goggles. Face-shield.

Skin and Body Protection

No special protective equipment required.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing. Wash hands and face before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White.	Odor	Acrid, Ammoniacal.
Odor Threshold	No information available	Physical State	Solid Crystalline
pH	Not applicable		
Flash Point	200°F / > 93°C	Autoignition Temperature	No information available.
Decomposition Temperature	No information available.	Boiling Point/Boiling Range	Not applicable
Melting Point/Range	139-141°C / 282-286°F		
Flammability Limits in Air	No information available.	Explosion Limits	No information available.
Specific Gravity	0.756	Water Solubility	Reacts with water (Very hygroscopic)
Solubility	Chloroform	Evaporation Rate	No information available
Vapor Pressure	1 hPa @ 20°C	Vapor Density	No data available
VOC Content (%)	5%		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions. Stable up to 80°C Unstable on exposure to moisture. Reacts violently with water.
Incompatible Products	Water. Alcohols. Amines. Bases.
Conditions to Avoid	Excessive heat. Exposure to air. Very hygroscopic; protect from moisture.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors. Dimethyl formamid, Carbon oxides., Nitrogen oxides (NOx).
Hazardous Reactions	Reacts violently with water.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

LD50 Oral:	200-466 mg/kg (rat)
LD50 Dermal:	>2000 mg/kg (rat)

Inhalation	Harmful by inhalation.
Eye Contact	Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage.
Skin Contact	Harmful in contact with skin. Corrosive. The product causes burns of eyes, skin and mucous membranes. Causes severe skin burns.
Ingestion	Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dimethylformamide	= 200 mg/kg (Rat)	> 3.2 g/kg (Rat)	

Chronic Toxicity

Chronic Toxicity	Possible risks of irreversible effects. Avoid repeated exposure.
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Carcinogenicity	Contains no ingredient listed as a carcinogen.
------------------------	--

Chemical Name	ACGIH	IARC	NTP	OSHA
Dimethylformamide		Group 3		

Sensitization	No information available.
Mutagenic Effects	No information available.
Reproductive Toxicity	May cause harm to the unborn child.
Developmental Toxicity	May be a developmental hazard based on animal data.
Target Organ Effects	Central vascular system (CVS). Eyes. Kidney. Liver. Respiratory system. Skin.
Neurological Effects	No information available.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Reacts with water so no ecotoxicity data for the substance is available. Ecotoxicity effects of component substances.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Dimethylformamide	EC50 96 h: > 500 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 10410 mg/L flow-through (Pimephales promelas) LC50 96 h: = 6300 mg/L (Lepomis macrochirus) LC50 96 h: = 9800 mg/L flow- through (Oncorhynchus mykiss)	EC50 = 2000 mg/L 5 min EC50 = 570 mg/L 240 h	EC50 48 h: 6800 - 13900 mg/L Static (Daphnia magna) EC50 48 h: = 7500 mg/L (Daphnia magna) EC50 48 h: = 8485 mg/L semi-static (Daphnia magna)

Persistence and Degradability

No product level data available. For Dimethyl formamide. : BOD5 = 0.9 mg 02.1

Bioaccumulation

Product does not bioaccumulate due to reaction with water.
For Dimethyl formamide : BCF 0.3-1.2 (fish, 56 days @ 25°C).

Mobility

Reacts with water and forms dimethyl formamide and hydrochloric acid.

Chemical Name	Log Pow
Dimethylformamide	-1.028

13. DISPOSAL CONSIDERATIONS**Waste Disposal Methods**

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Should not be released into the environment.

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

US EPA Waste Number

D002
D003

14. TRANSPORT INFORMATION**DOT**

UN-Number	UN2923
Proper shipping name	Corrosive solids, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
Description	UN2923, Corrosive solids, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8, (6.1), PG II
Emergency Response Guide Number	154

TDG

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	(6.1)
Packing Group	II
Description	UN2923, CORROSIVE SOLID, TOXIC, N.O.S. (N,N-Dimethylchloromethyliminium Chloride), 8(6.1), PG II

MEX

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
Description	UN2923 Corrosive solid, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8(6.1), II

ICAO

UN-Number	UN2923
Proper shipping name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
Description	UN2923, Corrosive solid, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8(6.1), PG II

IATA

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
ERG Code	8P

Description	UN2923, Corrosive solid, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8(6.1), PG II
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IMDG/IMO

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.

Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
EmS No.	F-A, S-B
Description	UN2923, Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),PG II

RID

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Packing Group	II
Classification Code	CT2
Description	UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II
ADR/RID-Labels	8 + 6.1

ADR

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Packing Group	II
Classification Code	CT2
Description	UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II (E)
ADR/RID-Labels	8 + 6.1

ADN

UN-No	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Packing Group	II
Classification Code	CT2
Special Provisions	274, 802
Description	UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II
Hazard Labels	8 + 6.1
Limited Quantity	LQ23

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL	Complies; All components are listed either on the DSL or NDSL.
EINECS	Complies
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Dimethylformamide	68-12-2	10-30	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	Yes

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Dimethylformamide	X	X	X	X	X

International Regulations**Mexico - Grade**

Serious risk, Grade 3

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2A Very toxic materials

E Corrosive material

**Legend**

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

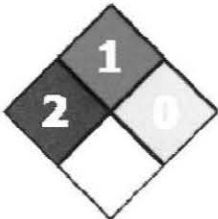

Prepared By	Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501
Issuing Date	27-Jul-2007
Revision Date	29-Jul-2011
Revision Note	Update to Format. (M)SDS sections updated. 1. 15. 16.

General Disclaimer

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End of Safety Data Sheet

Material Safety Data Sheet

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>2</td></tr><tr><td>Fire Hazard</td><td>1</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	2	Fire Hazard	1	Reactivity	0		
Health Hazard	2								
Fire Hazard	1								
Reactivity	0								

Issuing Date 14-Aug-2007

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Avanel n 1525-90

Synonyms None

Recommended Use Chemical intermediate.

Supplier Address

VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094, USA
Telephone: 716-433-6764

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

CAUTION!

Emergency Overview

Severe eye irritation
Irritating to skin

Appearance Pale yellow

Physical State Liquid

Odor Mild

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Principle Routes of Exposure

Eye contact, Skin contact.

Acute Toxicity

Eyes
Skin
Inhalation
Ingestion

Severely irritating to eyes. Risk of serious damage to eyes.
Irritating to skin.
No known effect based on information supplied
Ingestion may cause stomach discomfort.

Chronic Effects	No information available.
Aggravated Medical Conditions	Preexisting eye disorders. Skin disorders.
Interactions with Other Chemicals	None known.
Environmental Hazard	See Section 12 for additional Ecological information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family	No information available..
Formula	Proprietary

Chemical Name	CAS-No	Weight %
Avanel N 1525-90	Proprietary	98-100

4. FIRST AID MEASURES

General Advice	If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
Eye Contact	Immediate medical attention is required. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Call a physician immediately.
Skin Contact	Wash off immediately with plenty of water. If skin irritation persists, call a physician.
Inhalation	Move to fresh air.
Ingestion	Rinse mouth. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Consult a physician.
Notes to Physician	Treat symptomatically
Protection of First-aiders	Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable
Flash Point	> 149°C / 300°F
Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO ₂). Foam.

Explosion Data

Sensitivity to mechanical impact	None
Sensitivity to static discharge	None

Specific Hazards Arising from the Chemical

In the event of fire and/or explosion do not breathe fumes. The product causes irritation of eyes, skin and mucous membranes. In the event of fire, cool tanks with water spray.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA	Health Hazard 2	Flammability 1	Stability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 2	Flammability 1	Stability 0	Personal Precautions H

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation.
Methods for Containment	Dike to collect large liquid spills. Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Soak up with inert absorbent material. Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.
Other Information	Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors or spray mist. Avoid contact with skin and eyes.
Storage	Keep container tightly closed in a dry and well-ventilated place. Keep away from heat. Keep away from direct sunlight. Keep in properly labeled containers. Store at ambient conditions. Shelf life 6 months.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	Showers Eyewash stations Ventilation systems
Personal Protective Equipment Eye/Face Protection Skin and Body Protection Respiratory Protection	Tightly fitting safety goggles. Long sleeved clothing. Chemical resistant apron. Impervious gloves. Full face piece respirator with organic vapor/acid gas cartridge or canister.
Hygiene Measures	When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale yellow	Odor	Mild.
Odor Threshold	No information available	Physical State	Liquid
pH	No information available.		
Flash Point	> 149°C / 300°F	Autoignition Temperature	Not applicable
Decomposition Temperature	No information available.	Boiling Point/Range	149°C / 300°F
Melting Point/Range	No information available.		
Flammability Limits in Air	No information available.	Explosion Limits	No information available.
Specific Gravity	1.050 @ 25°C	Water Solubility	Soluble in water
Solubility	No information available.	Evaporation Rate	No information available.
Vapor Pressure	> 1 mmHg @ 25°C	Vapor Density	> 1 (Air=1)
VOC Content	Not applicable.	Partition Coefficient (n-octanol/water)	No data available

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Incompatible Products	Strong bases. Metal oxides. Hydroxides. Amines. Carbonates. Alkaline. Cyanides. Sulfides. Sulfites. Formaldehyde.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Hazardous Decomposition Products	Hydrogen chloride. Carbon oxides.
Hazardous Polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION**Acute Toxicity**

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Irritation	Severe eye irritant. Irritating to skin.

Chronic Toxicity

Chronic Toxicity	No information available.
Target Organ Effects	Eyes, Skin.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

The environmental impact of this product has not been fully investigated

Persistence and Degradability No information available.

Bioaccumulation/ Accumulation No information available.

Mobility Will likely be mobile in the environment due to its water solubility

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

Contaminated Packaging Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL	Does not Comply
EINECS/ELINCS	Does not Comply
ENCS	Does not Comply
CHINA	Does not Comply
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations**International Regulations**

Mexico - Grade Slight risk, Grade 1

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials



16. OTHER INFORMATION

Issuing Date 14-Aug-2007

Revision Date

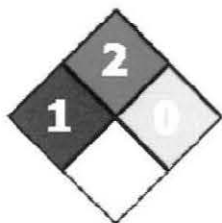

Revision Note

No information available

Disclaimer

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End of MSDS

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>1</td></tr><tr><td>Fire Hazard</td><td>2</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	1	Fire Hazard	2	Reactivity	0		
Health Hazard	1								
Fire Hazard	2								
Reactivity	0								

Issuing Date 14-Aug-2007

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Avanel n 925

Synonyms None

Recommended Use Chemical intermediate.

Supplier Address

VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094, USA
Telephone: 716-433-6764

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

CAUTION!

Emergency Overview
COMBUSTIBLE LIQUID AND VAPOR
May be harmful if swallowed
May cause skin and eye irritation
May cause irritation of respiratory tract

Appearance White

Physical State Liquid, Suspension

Odor Mild

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Principle Routes of Exposure Inhalation, Skin contact, Eye contact.

Acute Toxicity
Eyes

Contact with eyes may cause irritation.

Skin	May cause eye/skin irritation. Substance may cause slight skin irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	May be harmful if swallowed. Ingestion may cause irritation to mucous membranes.
Chronic Effects	No information available.
Aggravated Medical Conditions	Preexisting eye disorders. Skin disorders.
Interactions with Other Chemicals	None known.
Environmental Hazard	See Section 12 for additional Ecological information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family	No information available..
Formula	Proprietary

Chemical Name	CAS-No	Weight %
Avanel N 925	Proprietary	95-100

4. FIRST AID MEASURES

General Advice	If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Inhalation	Move to fresh air.
Ingestion	Rinse mouth. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Consult a physician.
Notes to Physician	Treat symptomatically.
Protection of First-aiders	Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Combustible material: may burn but does not ignite readily.
Flash Point	Approximately - 93°C / 200°F
Suitable Extinguishing Media	Use: Dry chemical. Carbon dioxide (CO ₂). Water spray. Alcohol-resistant foam.
Hazardous Combustion Products	Hydrogen chloride, Carbon oxides.
Explosion Data	
Sensitivity to mechanical impact	None
Sensitivity to static discharge	None

Specific Hazards Arising from the Chemical

Combustible material. Keep product and empty container away from heat and sources of ignition. In the event of fire and/or explosion do not breathe fumes. The product causes irritation of eyes, skin and mucous membranes. In the event of fire, cool tanks with water spray.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA	Health Hazard 1	Flammability 2	Stability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 1	Flammability 2	Stability 0	Personal Precautions H

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.
Methods for Containment	Dike to collect large liquid spills. Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Soak up with inert absorbent material. Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.
Other Information	Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Keep away from open flames, hot surfaces and sources of ignition. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors or spray mist. Avoid contact with skin and eyes.
Storage	Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Keep away from direct sunlight. Keep in properly labeled containers. Store at ambient conditions. Shelf life 6 months.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	Showers Eyewash stations Ventilation systems
Personal Protective Equipment	
Eye/Face Protection	Safety glasses with side-shields.
Skin and Body Protection	Long sleeved clothing. Chemical resistant apron. Impervious gloves.
Respiratory Protection	Full face piece respirator with organic vapor/acid gas cartridge or canister.
Hygiene Measures	When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White	Odor	Mild.
Odor Threshold	No information available	Physical State	Liquid Suspension
pH	No information available.		
Flash Point	Approximately - 93°C / 200°F	Autoignition Temperature	Not applicable
Decomposition Temperature	No information available.	Boiling Point/Range	> 149°C / 300°F
Melting Point/Range	No information available.		
Flammability Limits in Air	No information available.	Explosion Limits	No information available.
Specific Gravity	1.007	Water Solubility	Insoluble in water
Solubility	No information available.	Evaporation Rate	No information available.
Vapor Pressure	< 1 mm Hg @ 25°C	Vapor Density	> 1 (Air=1)
VOC Content	Not applicable.	Partition Coefficient (n-octanol/water)	No data available

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Incompatible Products	Strong bases. Metal oxides. Hydroxides. Amines. Carbonates. Alkaline. Cyanides. Sulfides. Sulfites. Formaldehyde.
Conditions to Avoid	Extremes of temperature and direct sunlight. Keep away from open flames, hot surfaces and sources of ignition.
Hazardous Decomposition Products	Hydrogen chloride. Carbon oxides.
Hazardous Polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information	May be harmful if swallowed.
Irritation	May cause skin and eye irritation. May cause irritation of respiratory tract.
LD50 Oral:	> 500 mg/kg (rat)

Chronic Toxicity

Chronic Toxicity	No information available.
Target Organ Effects	Eyes, Skin, Respiratory system.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

The environmental impact of this product has not been fully investigated

Persistence and Degradability No information available.

Bioaccumulation/ Accumulation Unknown. Material may have some potential to bioaccumulate.

Mobility Is predicted to have low mobility in the environment

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

Contaminated Packaging Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL	Does not Comply
EINECS/ELINCS	Does not Comply
ENCS	Does not Comply
CHINA	Does not Comply
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations**International Regulations**

Mexico - Grade Slight risk, Grade 1

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B3 Combustible liquid



16. OTHER INFORMATION

Issuing Date 14-Aug-2007

Revision Date

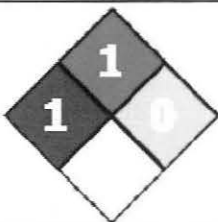

Revision Note

No information available

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End of MSDS

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>1</td></tr><tr><td>Fire Hazard</td><td>1</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	1	Fire Hazard	1	Reactivity	0		
Health Hazard	1								
Fire Hazard	1								
Reactivity	0								

Issuing Date No data available

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Avanel N-374

Synonyms None.

Recommended Use Surfactant.

Supplier Address

VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094
Telephone: 716 433-6764

Emergency Telephone Number Chemtrec: 1-800-424-9300 for US/ 703-527-3887 outside US

2. HAZARDS IDENTIFICATION

CAUTION!

Emergency Overview

May cause skin and eye irritation

Appearance Clear

Physical State Liquid

Odor Mild, Sweet

Potential Health Effects

Acute Toxicity

Eyes

May cause irritation.

Skin

May cause skin irritation and/or dermatitis.

Inhalation

May cause irritation of respiratory tract.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects

No information available.

Aggravated Medical Conditions

None known.

Environmental Hazard

See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family No information available.
Formula $C_{14}H_{29}ClO_3$

Chemical Name	CAS-No	Weight %
Trade Secret	Proprietary	60-100

4. FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

Skin Contact Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Ingestion Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.

Notes to Physician Treat symptomatically.

Protection of First-aiders Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Flammable Properties Not flammable.

Flash Point 150°C / 302°F

Suitable Extinguishing Media Carbon dioxide (CO₂). Dry chemical. Foam. Water spray.

Hazardous Combustion Products Hydrogen chloride, Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA	Health Hazard 1	Flammability 1	Stability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 1	Flammability 1	Stability 0	Personal Precautions X

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Keep people away from and upwind of spill/leak.
Methods for Containment	Dike to collect large liquid spills. Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Soak up with inert absorbent material. Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.
Other Information	Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.
Storage	Keep away from heat. Keep away from direct sunlight. Keep at temperatures below 40 °C / 44 °F. Shelf life 6 months. Store in original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	Showers Eyewash stations Ventilation systems
Personal Protective Equipment	
Eye/Face Protection	Safety glasses with side-shields.
Skin and Body Protection	Wear protective gloves/clothing.
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Provide regular cleaning of equipment, work area and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear	Odor	Mild, Sweet
Odor Threshold	No information available	Physical State	Liquid
pH	No information available		
Flash Point	150°C / 302°F	Autoignition Temperature	No information available
Decomposition Temperature	No information available	Boiling Point/Range	>300°C / >572°F
Melting Point/Range	No information available		
Flammability Limits in Air	No information available	Explosion Limits	No information available
Specific Gravity	0.99 @ 25°C	Water Solubility	Insoluble in water
Solubility	No information available	Evaporation Rate	No information available
Vapor Pressure	No data available	Vapor Density	No data available
VOC Content	Not applicable		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Incompatible Products	Strong bases. Metal oxides. Hydroxides. Amines. Carbonates. Cyanides. Sulfides. Sulfites. Formaldehyde.
Conditions to Avoid	None known based on information supplied.
Hazardous Decomposition Products	Hydrogen chloride gas. Carbon dioxide (CO ₂).
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity****Product Information**

Irritation May cause skin and eye irritation.

Chronic Toxicity
Chronic Toxicity

No information available.

Target Organ Effects

Eyes, Skin.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated

14. TRANSPORT INFORMATION

<u>IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

15. REGULATORY INFORMATION**International Inventories**

TSCA Complies

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

International Regulations**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials



16. OTHER INFORMATION

Revision Date

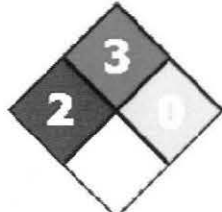


Revision Note

No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>3*</td></tr><tr><td>Fire Hazard</td><td>3</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	3*	Fire Hazard	3	Reactivity	0		
Health Hazard	3*								
Fire Hazard	3								
Reactivity	0								

Issuing Date 13-Mar-2008

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Benzyl Carbazate

UN-No UN1993

Synonyms Hydrazinecarboxylic acid, phenylmethyl ester

Recommended Use Pesticide Intermediate.

Supplier Address

VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094
Telephone: 716 433-6764

Company Emergency Phone Number 716-433-6764

Emergency Telephone Number Chemtrec: 1-800-424-9300 for US/ 703-527-3887 outside US

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

Severe eye irritation
Risk of serious damage to eyes
Harmful if swallowed
Harmful: may cause lung damage if swallowed.
Vapors may be irritating to eyes, nose, throat, and lungs
May cause skin irritation and/or dermatitis
May cause central nervous system depression
FLAMMABLE LIQUID AND VAPOR

Appearance Clear to Light Yellow

Physical State Slurry @20 °C;
Liquid @ 49 °C

Odor Aromatic, Solvent

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Potential Health Effects	
Principle Routes of Exposure	Inhalation, Skin contact, Eye contact.
Acute Toxicity	
Eyes	Severely irritating to eyes. Causes burns.
Skin	Irritating to skin.
Inhalation	May cause irritation of respiratory tract. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Aspiration into lungs can produce severe lung damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Please see Section 11. Toxicological Information for further information.
Ingestion	Harmful if swallowed. Potential for aspiration if swallowed. Ingestion may cause irritation to mucous membranes. May cause additional effects as listed under "Inhalation".
Chronic Effects	Avoid repeated exposure. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. May cause adverse liver effects. May cause adverse kidney effects. Contains a known or suspected reproductive toxin. Contains toluene. Exposure to toluene in animals via inhalation and intentional overexposure to toluene in humans has caused adverse fetal development effects.
Aggravated Medical Conditions	Central nervous system. Respiratory disorders. Liver disorders. Kidney disorders. Skin disorders. Use of alcoholic beverages may enhance toxic effects.
Interactions with Other Chemicals	Use of alcoholic beverages may enhance toxic effects.
Environmental Hazard	See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Toluene	108-88-3	55-65
Benzyl carbazate	5331-43-1	35-45

4. FIRST AID MEASURES

General Advice	Show this safety data sheet to the doctor in attendance. If symptoms persist, call a physician.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with plenty of water. Wash skin with soap and water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician. Apply artificial respiration if victim is not breathing. If breathing has stopped, contact emergency medical services immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.
Ingestion	Rinse mouth. Drink plenty of water. Do not induce vomiting. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician immediately.
Notes to Physician	Treat symptomatically. Keep victim warm and quiet.

Protection of First-aiders	Remove all sources of ignition. Use personal protective equipment. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
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5. FIRE-FIGHTING MEASURES

Flammable Properties	Flammable; may be ignited by heat, sparks or flames. Containers may explode when heated. Many liquids are lighter than water.
Flash Point	< 37.8°C / < 100°F (109 °C Benzyl carbazate, 4 °C Toluene)
Suitable Extinguishing Media	Use: Dry chemical. Carbon dioxide (CO ₂). Alcohol-resistant foam. Use water spray or fog; do not use straight streams. Move containers from fire area if you can do it without risk.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire, CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.
Explosion Data	
Sensitivity to mechanical impact	None
Sensitivity to static discharge	Yes.
Specific Hazards Arising from the Chemical	Keep product and empty container away from heat and sources of ignition. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Those substances designated with a "P" may polymerize explosively when heated or involved in a fire. Runoff to sewer may create fire or explosion hazard.
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA	Health Hazard 2	Flammability 3	Stability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 3*	Flammability 3	Stability 0	Personal Precautions -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.
Methods for Containment	A vapor suppressing foam may be used to reduce vapors. Dike far ahead of liquid spill for later disposal. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
Methods for Cleaning Up	Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges. Use clean non-sparking tools to collect absorbed material.
Other Information	Water spray may reduce vapor; but may not prevent ignition in closed spaces.

7. HANDLING AND STORAGE

7. HANDLING AND STORAGE

Handling

Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wear personal protective equipment. Do not breathe vapors or spray mist. Keep away from heat, sparks and open flame. - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

Storage

Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³

NIOSH IDLH: Immediately Dangerous to Life or Health

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection

Tightly fitting safety goggles. Face-shield.

Skin and Body Protection

Wear protective gloves/clothing. Lightweight protective clothing. Antistatic boots. Protective gloves.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear to Light Yellow	Odor	Aromatic, Solvent
Odor Threshold	No information available	Physical State	Slurry @20 °C; Liquid @ 49 °C
pH	Not applicable		
Flash Point	< 37.8°C / < 100°F (109 °C Benzyl carbazate, 4 °C Toluene)	Autoignition Temperature	No information available
Decomposition Temperature	No information available	Boiling Point/Range	No information available
Melting Point/Range	69-70°C (Benzyl carbazate)		
Flammability Limits in Air	No information available	Explosion Limits	No information available
Water Solubility	Immiscible in water	Solubility	No information available
Evaporation Rate	No information available	Vapor Pressure	No data available
Vapor Density	No data available	VOC Content	Not applicable

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Incompatible Products	Strong oxidizing agents. Strong acids. Chlorinated compounds.
Conditions to Avoid	Heating in air. Heat, flames and sparks.
Hazardous Decomposition Products	Carbon oxides.
Hazardous Polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION**Acute Toxicity**

Product Information	Draize test Rabbit- 57 mg/24 H-severe TDLO Oral-rat- 980 mg/kg/28 with impaired liver function test; methemoglobinemia and changes in blood counts and changes in cell counts
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Irritation	Severe eye irritant. Causes severe irritation and or burns.
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Chronic Toxicity

Chronic Toxicity Avoid repeated exposure. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. May cause adverse liver effects. May cause adverse kidney effects. Contains a known or suspected reproductive toxin. Contains toluene. Exposure to toluene in animals via inhalation and intentional overexposure to toluene in humans has caused adverse fetal development effects.

Reproductive Toxicity Product is or contains a chemical which is a known or suspected reproductive hazard.

Target Organ Effects Central nervous system (CNS), Eyes, Kidney, Liver, Respiratory system, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Toluene	EC50 > 433 mg/L 96 h	LC50= 13 mg/L Lepomis macrochirus 96 h LC50= 24.0 mg/L Lepomis macrochirus 96 h LC50= 24.0 mg/L Oncorhynchus mykiss 96 h LC50= 25 mg/L Pimephales promelas 96 h	EC50 = 19.7 mg/L 30 min	EC50 = 11.3 mg/L 48 h EC50 = 310 mg/L 48 h

Chemical Name	Log Pow
Toluene	= 2.65

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated Packaging Dispose of in accordance with local regulations

US EPA Waste Number D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Flammable liquids, n.o.s.
Hazard Class 3
UN-No UN1993
Packing Group II
Reportable Quantity (RQ) Toluene, RQ kg= 825.4545
Description Flammable liquids, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,UN1993,PG II,RQ

TDG

Proper Shipping Name Flammable liquid, n.o.s.
Hazard Class 3
UN-No UN1993
Packing Group II

14. TRANSPORT INFORMATION

Description FLAMMABLE LIQUID, N.O.S.(Toluene 60%, benzyl carbazate 40%),3,UN1993,PG II

MEX

Proper Shipping Name Flammable liquids, n.o.s.
Hazard Class 3
UN-No UN1993
Packing Group II
Description UN1993 Flammable liquids, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,II

ICAO

UN-No UN1993
Proper Shipping Name Flammable liquid, n.o.s.
Hazard Class 3
Packing Group II
Description Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,UN1993,PG II

IATA

UN-No UN1993
Proper Shipping Name Flammable liquid, n.o.s.
Hazard Class 3
Packing Group II
ERG Code 3H
Description UN1993,Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,PG II

IMDG/IMO

Proper Shipping Name Flammable liquid, n.o.s.
Hazard Class 3
Subsidiary Class +
UN-No UN1993
Packing Group II
EmS No. F-E, S-E
Description UN1993, Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3(+),PG II

RID

Proper Shipping Name Flammable liquid, n.o.s.
Hazard Class 3
UN-No UN1993
Packing Group II
Classification Code F1
Description UN1993 Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,II,RID
ADR/RID-Labels 3

ADR

Proper Shipping Name Flammable liquid, n.o.s.
Hazard Class 3
UN-No UN1993
Packing Group II
Classification Code F1
Description UN1993 Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,II

ADN

Proper Shipping Name Flammable liquid, n.o.s.
Hazard Class 3
Packing Group II

14. TRANSPORT INFORMATION

Classification Code	F1
Special Provisions	274, 330, 601, 640C
Description	UN1993 Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,II
Hazard Labels	3
Limited Quantity	LQ4
Ventilation	VE01

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Toluene	108-88-3	55	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene	1000 lb	X	X	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Toluene	1000 lb	

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Toluene	108-88-3	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Toluene	X	X	X	X	X

International Regulations

Mexico - Grade Moderate risk, Grade 2

Chemical Name	Carcinogen Status	Exposure Limits
Toluene		Mexico: TWA= 50 ppm Mexico: TWA= 188 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B3 Combustible liquid

D2A Very toxic materials



Chemical Name	NPRI
Toluene	X

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Issuing Date 13-Mar-2008

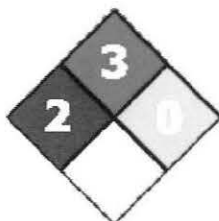


Revision Date

Revision Note No information available

Disclaimer

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End of MSDS

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>3*</td></tr><tr><td>Fire Hazard</td><td>3</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	3*	Fire Hazard	3	Reactivity	0		
Health Hazard	3*								
Fire Hazard	3								
Reactivity	0								

Issuing Date 13-Mar-2008

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Benzyl Carbazate
UN-No UN1993
Synonyms Hydrazinecarboxylic acid, phenylmethyl ester
Recommended Use Pesticide Intermediate.

Supplier Address
 VanDeMark Chemical Inc.
 1 North Transit Road
 Lockport, NY 14094
 Telephone: 716 433-6764

Company Emergency Phone Number 716-433-6764

Emergency Telephone Number Chemtrec: 1-800-424-9300 for US/ 703-527-3887 outside US

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

Severe eye irritation
 Risk of serious damage to eyes
 Harmful if swallowed
 Harmful: may cause lung damage if swallowed.
 Vapors may be irritating to eyes, nose, throat, and lungs
 May cause skin irritation and/or dermatitis
 May cause central nervous system depression
FLAMMABLE LIQUID AND VAPOR

Appearance Clear to Light Yellow

Physical State Slurry @20 °C;
 Liquid @ 49 °C

Odor Aromatic, Solvent

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Potential Health Effects	
Principle Routes of Exposure	Inhalation, Skin contact, Eye contact.
Acute Toxicity	
Eyes	Severely irritating to eyes. Causes burns.
Skin	Irritating to skin.
Inhalation	May cause irritation of respiratory tract. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Aspiration into lungs can produce severe lung damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Please see Section 11. Toxicological Information for further information.
Ingestion	Harmful if swallowed. Potential for aspiration if swallowed. Ingestion may cause irritation to mucous membranes. May cause additional effects as listed under "Inhalation".
Chronic Effects	Avoid repeated exposure. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. May cause adverse liver effects. May cause adverse kidney effects. Contains a known or suspected reproductive toxin. Contains toluene. Exposure to toluene in animals via inhalation and intentional overexposure to toluene in humans has caused adverse fetal development effects.
Aggravated Medical Conditions	Central nervous system. Respiratory disorders. Liver disorders. Kidney disorders. Skin disorders. Use of alcoholic beverages may enhance toxic effects.
Interactions with Other Chemicals	Use of alcoholic beverages may enhance toxic effects.
Environmental Hazard	See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Toluene	108-88-3	55-65
Benzyl carbazate	5331-43-1	35-45

4. FIRST AID MEASURES

General Advice	Show this safety data sheet to the doctor in attendance. If symptoms persist, call a physician.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with plenty of water. Wash skin with soap and water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. If symptoms persist, call a physician. Apply artificial respiration if victim is not breathing. If breathing has stopped, contact emergency medical services immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.
Ingestion	Rinse mouth. Drink plenty of water. Do not induce vomiting. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician immediately.
Notes to Physician	Treat symptomatically. Keep victim warm and quiet.

Protection of First-aiders	Remove all sources of ignition. Use personal protective equipment. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
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5. FIRE-FIGHTING MEASURES

Flammable Properties	Flammable; may be ignited by heat, sparks or flames. Containers may explode when heated. Many liquids are lighter than water.
Flash Point	< 37.8°C / < 100°F (109 °C Benzyl carbazate, 4 °C Toluene)
Suitable Extinguishing Media	Use: Dry chemical. Carbon dioxide (CO ₂). Alcohol-resistant foam. Use water spray or fog; do not use straight streams. Move containers from fire area if you can do it without risk.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire, CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.
Explosion Data	
Sensitivity to mechanical impact	None
Sensitivity to static discharge	Yes.
Specific Hazards Arising from the Chemical	Keep product and empty container away from heat and sources of ignition. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Those substances designated with a "P" may polymerize explosively when heated or involved in a fire. Runoff to sewer may create fire or explosion hazard.
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA	Health Hazard 2	Flammability 3	Stability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 3*	Flammability 3	Stability 0	Personal Precautions -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.
Methods for Containment	A vapor suppressing foam may be used to reduce vapors. Dike far ahead of liquid spill for later disposal. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
Methods for Cleaning Up	Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges. Use clean non-sparking tools to collect absorbed material.
Other Information	Water spray may reduce vapor; but may not prevent ignition in closed spaces.

7. HANDLING AND STORAGE

7. HANDLING AND STORAGE

Handling

Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wear personal protective equipment. Do not breathe vapors or spray mist. Keep away from heat, sparks and open flame. - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

Storage

Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³

NIOSH IDLH: Immediately Dangerous to Life or Health

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection

Tightly fitting safety goggles. Face-shield.

Skin and Body Protection

Wear protective gloves/clothing. Lightweight protective clothing. Antistatic boots. Protective gloves.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear to Light Yellow	Odor	Aromatic, Solvent
Odor Threshold	No information available	Physical State	Slurry @20 °C; Liquid @ 49 °C
pH	Not applicable		
Flash Point	< 37.8°C / < 100°F (109 °C Benzyl carbazate, 4 °C Toluene)	Autoignition Temperature	No information available
Decomposition Temperature	No information available	Boiling Point/Range	No information available
Melting Point/Range	69-70°C (Benzyl carbazate)		
Flammability Limits in Air	No information available	Explosion Limits	No information available
Water Solubility	Immiscible in water	Solubility	No information available
Evaporation Rate	No information available	Vapor Pressure	No data available
Vapor Density	No data available	VOC Content	Not applicable

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Incompatible Products	Strong oxidizing agents. Strong acids. Chlorinated compounds.
Conditions to Avoid	Heating in air. Heat, flames and sparks.
Hazardous Decomposition Products	Carbon oxides.
Hazardous Polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION**Acute Toxicity**

Product Information	Draize test Rabbit- 57 mg/24 H-severe TDLO Oral-rat- 980 mg/kg/28 with impaired liver function test; methemoglobinemia and changes in blood counts and changes in cell counts
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Irritation	Severe eye irritant. Causes severe irritation and or burns.
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Chronic Toxicity

Chronic Toxicity Avoid repeated exposure. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. May cause adverse liver effects. May cause adverse kidney effects. Contains a known or suspected reproductive toxin. Contains toluene. Exposure to toluene in animals via inhalation and intentional overexposure to toluene in humans has caused adverse fetal development effects.

Reproductive Toxicity Product is or contains a chemical which is a known or suspected reproductive hazard.

Target Organ Effects Central nervous system (CNS), Eyes, Kidney, Liver, Respiratory system, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Toluene	EC50 > 433 mg/L 96 h	LC50= 13 mg/L Lepomis macrochirus 96 h LC50= 24.0 mg/L Lepomis macrochirus 96 h LC50= 24.0 mg/L Oncorhynchus mykiss 96 h LC50= 25 mg/L Pimephales promelas 96 h	EC50 = 19.7 mg/L 30 min	EC50 = 11.3 mg/L 48 h EC50 = 310 mg/L 48 h

Chemical Name	Log Pow
Toluene	= 2.65

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated Packaging Dispose of in accordance with local regulations

US EPA Waste Number D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Flammable liquids, n.o.s.
Hazard Class 3
UN-No UN1993
Packing Group II
Reportable Quantity (RQ) Toluene, RQ kg= 825.4545
Description Flammable liquids, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,UN1993,PG II,RQ

TDG

Proper Shipping Name Flammable liquid, n.o.s.
Hazard Class 3
UN-No UN1993
Packing Group II

14. TRANSPORT INFORMATION

Description	FLAMMABLE LIQUID, N.O.S.(Toluene 60%, benzyl carbazate 40%),3,UN1993,PG II
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MEX

Proper Shipping Name	Flammable liquids, n.o.s.
Hazard Class	3
UN-No	UN1993
Packing Group	II
Description	UN1993 Flammable liquids, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,II

ICAO

UN-No	UN1993
Proper Shipping Name	Flammable liquid, n.o.s.
Hazard Class	3
Packing Group	II
Description	Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,UN1993,PG II

IATA

UN-No	UN1993
Proper Shipping Name	Flammable liquid, n.o.s.
Hazard Class	3
Packing Group	II
ERG Code	3H
Description	UN1993,Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,PG II

IMDG/IMO

Proper Shipping Name	Flammable liquid, n.o.s.
Hazard Class	3
Subsidiary Class	+
UN-No	UN1993
Packing Group	II
EmS No.	F-E, S-E
Description	UN1993, Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3(+),PG II

RID

Proper Shipping Name	Flammable liquid, n.o.s.
Hazard Class	3
UN-No	UN1993
Packing Group	II
Classification Code	F1
Description	UN1993 Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,II,RID
ADR/RID-Labels	3

ADR

Proper Shipping Name	Flammable liquid, n.o.s.
Hazard Class	3
UN-No	UN1993
Packing Group	II
Classification Code	F1
Description	UN1993 Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,II

ADN

Proper Shipping Name	Flammable liquid, n.o.s.
Hazard Class	3
Packing Group	II

14. TRANSPORT INFORMATION

Classification Code	F1
Special Provisions	274, 330, 601, 640C
Description	UN1993 Flammable liquid, n.o.s.(Toluene 60%, benzyl carbazate 40%),3,II
Hazard Labels	3
Limited Quantity	LQ4
Ventilation	VE01

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Toluene	108-88-3	55	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene	1000 lb	X	X	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Toluene	1000 lb	

U.S. State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Toluene	108-88-3	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Toluene	X	X	X	X	X

International Regulations**Mexico - Grade** Moderate risk, Grade 2

Chemical Name	Carcinogen Status	Exposure Limits
Toluene		Mexico: TWA= 50 ppm Mexico: TWA= 188 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B3 Combustible liquid

D2A Very toxic materials



Chemical Name	NPRI
Toluene	X

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION**Issuing Date** 13-Mar-2008**Revision Date****Revision Note** No information available**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

SAFETY DATA SHEET

1. Identification

Product identifier	Benzyl Chloroformate
Other means of identification	Not available.
Recommended use	Industrial chemical.
Recommended restrictions	None known.
Manufacturer / Importer / Supplier / Distributor information	
Manufacturer	VanDeMark Chemical Inc.
Address	1 North Transit Road, Lockport, NY 14094 USA
Telephone	716-433-6764
e-mail	sales@vdmchemical.com
Emergency telephone	CHEMTREC 1-800-424-9300 (North America)

2. Hazard(s) identification

Physical hazards	Not classified.	
Health hazards	Acute toxicity, inhalation	Category 3
	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
	Carcinogenicity	Category 1B
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
OSHA hazard(s)	Not classified.	

Label elements

Hazard symbol



Signal word

Danger

Hazard statement

Toxic if inhaled. Causes severe skin burns and eye damage. May cause cancer. May cause respiratory irritation.

Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

Response

If inhaled: Remove person to fresh air and keep comfortable for breathing. If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If exposed or concerned: Get medical advice/attention.

Storage

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

Not classified.

Environmental hazards

Hazardous to the aquatic environment, acute hazard	Category 1
Hazardous to the aquatic environment, long-term hazard	Category 1

3. Composition/information on ingredients

Substance

Hazardous components			
Chemical name	Common name and synonyms	CAS number	%
Benzyl chloroformate		501-53-1	>= 98
Constituents			
Chemical name		CAS number	%
Benzyl chloride		100-44-7	=< 1.5

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation	Move injured person into fresh air and keep person calm under observation. Get medical attention immediately.
Skin contact	Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention. Chemical burns must be treated by a physician.
Eye contact	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention immediately. Continue to rinse.
Ingestion	Immediately rinse mouth and drink plenty of water. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Get medical attention immediately.
Most important symptoms/effects, acute and delayed	Causes skin and eye burns.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	First aid personnel must be aware of own risk during rescue.

5. Fire-fighting measures

Suitable extinguishing media	Foam. Carbon Dioxide. Dry powder.
Unsuitable extinguishing media	Water. Contact with water liberates toxic gas.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Keep upwind.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Provide adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear necessary protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.
Methods and materials for containment and cleaning up	Absorb spillage with suitable absorbent material. Collect in containers and seal securely. Large Spillages: Dike far ahead of liquid spill for later disposal.
Environmental precautions	Do not allow to enter drains, sewers or watercourses.

7. Handling and storage

Precautions for safe handling	Mechanical ventilation or local exhaust ventilation is required. Avoid inhalation of vapors and spray mist and contact with skin and eyes. Wear appropriate personal protective equipment. Wash thoroughly after handling. Contaminated clothing and shoes must be discarded. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store at temperature at or below -15°C (5°F) in a dry, well-ventilated location. All equipment and storage vessels must be constructed of Teflon or glass-lined steel. Keep container tightly closed. Protect from sunlight and avoid any contact with iron. Product is stable when stored properly at recommended storage temperature. Storage in recommended temperatures and conditions will ensure product quality for minimum 12 months before retesting may be needed to determine assay. Storage in conditions between -15°C (5°F) and -5°C (23°F) may require retesting after 6 months to determine assay. Storage above 0°C (32°F) not recommended.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	PEL	5 mg/m ³ 1 ppm

US. ACGIH Threshold Limit Values

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	TWA	1 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	Ceiling	5 mg/m ³ 1 ppm

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Provide easy access to water supply and eye wash facilities.

Individual protection measures, such as personal protective equipment

Eye/face protection

Use safety goggles and face shield in case of splash risk.

Skin protection

Hand protection

Wear appropriate chemical resistant gloves. Glove material: Fluoro carbon rubber (0.4 mm). Be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Other

Wear appropriate chemical resistant clothing.

Respiratory protection

Wear suitable respiratory protection. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Thermal hazards

When material is heated, wear gloves to protect against thermal burns.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned.

9. Physical and chemical properties

Appearance

Clear liquid.

Physical state

Liquid.

Form

Liquid.

Color

Clear.

Odor

Pungent.

Odor threshold

Not available.

pH

Not available.

Melting point/freezing point

Not available.

Initial boiling point and boiling range

305.6 °F (152 °C)

Flash point

258.8 °F (126 °C)

Evaporation rate

Not available.

Flammability (solid, gas)

Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)

Not available.

Flammability limit - upper (%)

Not available.

Explosive limit - lower (%)

Not available.

Explosive limit - upper (%)

Not available.

Vapor pressure

Not available.

Benzyl Chloroformate

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SDS US

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VDM00359

Vapor density	Not available.
Relative density	1.217 (20 °C)
Solubility(ies)	Not available.
Partition coefficient (n-octanol/water)	
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	Water reactive material.
Chemical stability	Decomposes on heating. Decomposes in the presence of water.
Possibility of hazardous reactions	Thermal decomposition or combustion may liberate toxic gases or fumes. Contact with water liberates toxic gas.
Conditions to avoid	Heat. Moisture. Exposure to air.
Incompatible materials	Water. Iron. Acids. Bases. Alcohols. Metal salts.
Hazardous decomposition products	Hydrogen chloride. Benzyl alcohol.

11. Toxicological information

Information on likely routes of exposure

Ingestion	May cause burns of the gastrointestinal tract if swallowed.
Inhalation	Vapors irritate the respiratory system, and may cause coughing and difficulties in breathing.
Skin contact	Corrosive effects. Causes skin burns.
Eye contact	Corrosive. Prolonged contact causes serious eye and tissue damage.
Symptoms related to the physical, chemical and toxicological characteristics	Contact with this material will cause burns to the skin, eyes and mucous membranes. Permanent eye damage including blindness could result.

Information on toxicological effects

Acute toxicity	Toxic if inhaled.
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Product	Species	Test Results
Benzyl chloroformate (CAS 501-53-1)		
Acute		
Inhalation		
LC50	Rat	590 mg/m3, 4 hours
Oral		
LD50	Rat	3 g/kg
Constituents	Species	Test Results
Benzyl chloride (CAS 100-44-7)		
Acute		
Inhalation		
LC50	Rat	0.74 mg/l, 4 hours
Oral		
LD50	Rat	340 mg/kg
Skin corrosion/irritation	Causes severe skin burns.	
Serious eye damage/eye irritation	Causes serious eye damage.	
Respiratory sensitization	No data available.	
Skin sensitization	No data available.	
Germ cell mutagenicity	No data available.	
Carcinogenicity	May cause cancer.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Benzyl chloride (CAS 100-44-7)	2A Probably carcinogenic to humans.	
Reproductive toxicity	No data available.	
Specific target organ toxicity - single exposure	May cause respiratory irritation.	

Specific target organ toxicity - repeated exposure No data available.

Aspiration hazard No data available.

Chronic effects Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Constituents		Species	Test Results
Benzyl chloride (CAS 100-44-7)			
Aquatic			
Crustacea	EC50	Daphnia magna	1.3 mg/l, 24 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	4.4 - 5.6 mg/l, 96 hours
		Zebra danio (Danio rerio)	4 mg/l, 96 hours
Other			
Micro-organisms	EC50	Micro-organisms	2.97 mg/l, 30 minutes
			2.25 mg/l, 15 minutes
			1.92 mg/l, 5 minutes

Persistence and degradability Decomposes in the presence of water.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)
Benzyl chloride 2.3

Mobility in soil Not available.

Other adverse effects Not available.

13. Disposal considerations

Disposal instructions Dispose of in accordance with all applicable regulations. Do not discharge into drains, water courses or onto the ground.

Local disposal regulations Dispose of in accordance with local regulations.

Hazardous waste code D003: Waste Reactive material

Waste from residues / unused products Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

Contaminated packaging Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN number UN1739
UN proper shipping name Benzyl chloroformate, MARINE POLLUTANT
Transport hazard class(es) 8
Subsidiary class(es) Not available.
Packing group I
Special precautions for user Not available.
Labels required 8
Special provisions A3, A6, B4, N41, T10, TP2, TP12, TP13
Packaging exceptions None
Packaging non bulk 201
Packaging bulk 243

IATA

UN number UN1739
UN proper shipping name Benzyl chloroformate
Transport hazard class(es) 8
Subsidiary class(es) -
Packaging group I
Environmental hazards Yes
Labels required 8
ERG Code 8L
Special precautions for user Read safety instructions, MSDS and emergency procedures before handling.

IMDG

UN number UN1739

UN proper shipping name	BENZYL CHLOROFORMATE, MARINE POLLUTANT
Transport hazard class(es)	8
Subsidiary class(es)	-
Packaging group	I
Environmental hazards	
Marine pollutant	Yes
Labels required	8
EmS	F-A, S-B
Special precautions for user	Read safety instructions, MSDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.
15. Regulatory information	
US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not on regulatory list.
CERCLA Hazardous Substance List (40 CFR 302.4)	
Benzyl chloride (CAS 100-44-7)	LISTED
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - Yes
SARA 302 Extremely hazardous substance	No
SARA 311/312 Hazardous chemical	Yes
Other federal regulations	
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	
Benzyl chloride (CAS 100-44-7)	
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	Not regulated.
Safe Drinking Water Act (SDWA)	Not regulated.
Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number	
Benzyl chloride (CAS 100-44-7)	8570
Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))	
Benzyl chloride (CAS 100-44-7)	20 %WV
DEA Exempt Chemical Mixtures Code Number	
Benzyl chloride (CAS 100-44-7)	8568
Food and Drug Administration (FDA)	Not regulated.
US state regulations	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
US. Massachusetts RTK - Substance List	
Benzyl chloride (CAS 100-44-7)	
US. New Jersey Worker and Community Right-to-Know Act	
Benzyl chloride (CAS 100-44-7)	500 LBS
US. Pennsylvania RTK - Hazardous Substances	
Benzyl chloride (CAS 100-44-7)	
US. Rhode Island RTK	
Benzyl chloride (CAS 100-44-7)	

US. California Proposition 65**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Benzyl chloride (CAS 100-44-7)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

16. Other information, including date of preparation or last version

Issue date	10-12-2012
Revision date	10-12-2012
Version #	03
Further information	Not available.
References	ECHA CHEM International Chemical Safety Cards (ICSC) GESTIS Substance Database

Disclaimer This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Name of the substance Benzyl chloroformate
Identification number 607-064-00-4
Registration number -
Synonyms None.
Issue date 12-October-2012
Version number 03
Revision date 12-October-2012
Supersedes date 12-October-2012

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Industrial chemical.
Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Supplier VanDeMark Chemical B.V.
Address Schiekade 830, 3032 AL Rotterdam, The Netherlands
Telephone Not available
e-mail sales@vdmchemical.com
Manufacturer VanDeMark Chemical Inc.
Address 1 North Transit Road, Lockport, NY 14094 USA
Telephone +1 716-433-6764
e-mail sales@vdmchemical.com

1.4. Emergency telephone number

CHEMTREC +1-703-527-3887(International)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification Carc. Cat. 2; R45, T; R23, C; R34, N; R50/53

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Acute toxicity, inhalation	Category 3	H331 - Toxic if inhaled.
Skin corrosion/irritation	Category 1B	H314 - Causes severe skin burns and eye damage.
Carcinogenicity	Category 1B	H350 - May cause cancer.
Specific target organ toxicity - single exposure	Category 3 respiratory tract irritation	H335 - May cause respiratory irritation.

Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard	Category 1	H410 - Very toxic to aquatic life with long lasting effects.
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Hazard summary

Physical hazards Not classified for physical hazards.
Health hazards May cause cancer. Also toxic by inhalation. Causes burns.
Environmental hazards Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Specific hazards Corrosive.
Main symptoms Contact with this material will cause burns to the skin, eyes and mucous membranes. Permanent eye damage including blindness could result.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended**Contains:** Benzyl chloroformate**Identification number** 607-064-00-4**Hazard pictograms****Signal word** Danger**Hazard statements**
H331 - Toxic if inhaled.
H314 - Causes severe skin burns and eye damage.
H350 - May cause cancer.
H335 - May cause respiratory irritation.
H410 - Very toxic to aquatic life with long lasting effects.**Precautionary statements****Prevention**
P201 - Obtain special instructions before use.
P260 - Do not breathe mist.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P264 - Wash thoroughly after handling.
P273 - Avoid release to the environment.**Response**
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 - Wash contaminated clothing before reuse.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTRE or doctor/physician.
P308 + P313 - IF exposed or concerned: Get medical advice/attention.
P391 - Collect spillage.**Storage** P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.**Disposal** P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.**Supplemental label information** Not applicable.**2.3. Other hazards** Not assigned.**SECTION 3: Composition/information on ingredients****3.1. Substances****General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Benzyl chloroformate	>= 98	501-53-1 207-925-0	-	607-064-00-4	
Classification:	DSD: Carc. Cat. 2;R45, T;R23, C;R34, N;R50/53 CLP: Skin Corr. 1B;H314, Acute Tox. 3;H331, STOT SE 3;H335, Carc. 1B;H350, Aquatic Chronic 1;H410				

DSD: Directive 67/548/EEC.
CLP: Regulation No. 1272/2008.**Constituents**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Benzyl chloride	=< 1,5	100-44-7 202-853-6	-	602-037-00-3	-

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The full text for all R- and H-phrases is displayed in section 16.**SECTION 4: First aid measures****General information** First aid personnel must be aware of own risk during rescue.

4.1. Description of first aid measures

Inhalation	Move injured person into fresh air and keep person calm under observation. Get medical attention immediately.
Skin contact	Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention. Chemical burns must be treated by a physician.
Eye contact	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention immediately. Continue to rinse.
Ingestion	Immediately rinse mouth and drink plenty of water. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed Causes skin and eye burns.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards Will burn if involved in a fire.

5.1. Extinguishing media

Suitable extinguishing media	Foam. Carbon dioxide. Dry powder.
Unsuitable extinguishing media	Water. Contact with water liberates toxic gas.

5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters	Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special fire fighting procedures	Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Keep upwind.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Provide adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear necessary protective equipment. See Section 8 for personal protective equipment.
For emergency responders	Keep unnecessary personnel away.

6.2. Environmental precautions Do not allow to enter drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up Absorb spillage with suitable absorbent material. Collect in containers and seal securely. Large spillages: Dike far ahead of liquid spill for later disposal.

6.4. Reference to other sections For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Mechanical ventilation or local exhaust ventilation is required. Avoid inhalation of vapours and spray mist and contact with skin and eyes. Wear appropriate personal protective equipment. Wash thoroughly after handling. Contaminated clothing and shoes must be discarded. Observe good industrial hygiene practices.
7.2. Conditions for safe storage, including any incompatibilities	Store at temperature at or below -15°C (5°F) in a dry, well-ventilated location. All equipment and storage vessels must be constructed of Teflon or glass-lined steel. Keep container tightly closed. Protect from sunlight and avoid any contact with iron. Product is stable when stored properly at recommended storage temperature. Storage in recommended temperatures and conditions will ensure product quality for minimum 12 months before retesting may be needed to determine assay. Storage in conditions between -15°C (5°F) and -5°C (23°F) may require retesting after 6 months to determine assay. Storage above 0°C (32°F) not recommended.
7.3. Specific end use(s)	Industrial chemical.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits**Austria. TRK List**

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	STEL	0,8 mg/m ³
	TWA	0,2 mg/m ³

Belgium. Exposure Limit Values.

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	TWA	5,3 mg/m ³
		1 ppm

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	STEL	5 mg/m ³
	TWA	3 mg/m ³

Czech Republic. OELs. Government Decree 361

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	Ceiling	10 mg/m ³
	TWA	5 mg/m ³

Denmark. Exposure Limit Values

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	TWA	5 mg/m ³
		1 ppm

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	STEL	11 mg/m ³
		2 ppm
	TWA	5 mg/m ³
		1 ppm

Finland. Workplace Exposure Limits

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	Ceiling	7,9 mg/m ³
	STEL	1,5 ppm
		390 mg/m ³
	TWA	75 ppm
		2,6 mg/m ³
		0,5 ppm

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	VLE	11 mg/m ³
		2 ppm
	VME	5 mg/m ³
		1 ppm

Greece. OELs (Decree No. 90/1999, as amended)

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	TWA	5 mg/m ³
		1 ppm

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	STEL	0,5 mg/m3
	TWA	0,5 mg/m3

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	STEL	5 mg/m3
		1 ppm

Ireland. Occupational Exposure Limits

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	STEL	7,9 mg/m3
		1,5 ppm
	TWA	2,6 mg/m3 0,5 ppm

Italy. OELs

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	TWA	1 ppm

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	TWA	5 mg/m3

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements (Hygiene Norm HN 23:2007)

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	STEL	11 mg/m3
		2 ppm
	TWA	5 mg/m3 1 ppm

Norway. Administrative Norms for Contaminants in the Workplace

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	Ceiling	5 mg/m3
		1 ppm

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	Ceiling	5 mg/m3
	TWA	3 mg/m3

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	TWA	1 ppm

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	TWA	0,2 mg/m3

Sweden. Occupational Exposure Limit Values

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	STEL	11 mg/m3
		2 ppm
	TWA	5 mg/m3
		1 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	TWA	0,2 mg/m3

UK. EH40 Workplace Exposure Limits (WELs)

Constituents	Type	Value
Benzyl chloride (CAS 100-44-7)	STEL	7,9 mg/m3
		1,5 ppm
	TWA	2,6 mg/m3
		0,5 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow the schedule for work place measurements.

Derived no-effect level (DNEL) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Provide adequate ventilation. Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist. Provide easy access to water supply and eye wash facilities.

Individual protection measures, such as personal protective equipment

General information Use personal protective equipment as required. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Use safety goggles and face shield in case of splash risk.

Skin protection

- Hand protection

Wear appropriate chemical resistant gloves. Glove material: Fluoro carbon rubber (0.4 mm). Be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

- Other

Wear appropriate chemical resistant clothing.

Respiratory protection

Wear suitable respiratory protection. Use respiratory equipment with combination filter, type A2/P2.

Thermal hazards

When material is heated, wear gloves to protect against thermal burns.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned.

Environmental exposure controls

Environmental manager must be informed of all major spillages.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Colour Clear.

Odour Pungent.

Odour threshold Not available.

pH Not applicable.

Melting point/freezing point Not available.

Initial boiling point and boiling range	152 °C (305,6 °F)
Flash point	126 °C (258,8 °F)
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	1,217 (20 °C)
Solubility(ies)	Not available.
Partition coefficient (n-octanol/water)	
Decomposition temperature	Not available.
Viscosity	Not applicable.
Explosive properties	Not available.
Oxidizing properties	Not available.
9.2. Other information	No relevant additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	Water reactive material.
10.2. Chemical stability	Decomposes on heating. Decomposes in the presence of water.
10.3. Possibility of hazardous reactions	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Contact with water liberates toxic gas.
10.4. Conditions to avoid	Heat. Moisture. Exposure to air.
10.5. Incompatible materials	Water. Iron Acids. Bases. Alcohols. Metal salts.
10.6. Hazardous decomposition products	Hydrogen chloride. Benzyl alcohol.

SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure	
Ingestion	May cause burns of the gastrointestinal tract if swallowed.
Inhalation	Vapours irritate the respiratory system, and may cause coughing and difficulties in breathing.
Skin contact	Corrosive effects. Causes skin burns.
Eye contact	Corrosive. Prolonged contact causes serious eye and tissue damage.
Symptoms	Contact with this material will cause burns to the skin, eyes and mucous membranes. Permanent eye damage including blindness could result.

11.1. Information on toxicological effects

Acute toxicity	Toxic if inhaled.	
Product	Species	Test results
Benzyl chloroformate (CAS 501-53-1)		
Acute		
<i>Inhalation</i>		
LC50	Rat	590 mg/m3, 4 hours
<i>Oral</i>		
LD50	Rat	3 g/kg
Constituents	Species	Test results
Benzyl chloride (CAS 100-44-7)		
Acute		
<i>Inhalation</i>		
LC50	Rat	0,74 mg/l, 4 hours

Constituents	Species	Test results
Oral LD50	Rat	340 mg/kg
Skin corrosion/irritation	Causes severe skin burns.	
Serious eye damage/irritation	Causes serious eye damage.	
Respiratory sensitisation	No data available.	
Skin sensitisation	No data available.	
Germ cell mutagenicity	No data available.	
Carcinogenicity	May cause cancer.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Benzyl chloride (CAS 100-44-7)		2A Probably carcinogenic to humans.
Reproductive toxicity	No data available.	
Specific target organ toxicity - single exposure	May cause respiratory irritation.	
Specific target organ toxicity - repeated exposure	No data available.	
Aspiration hazard	No data available.	
Mixture versus substance information	Not available.	
Other information	Not available.	

SECTION 12: Ecological information

12.1. Toxicity Very toxic to aquatic life with long lasting effects.

Constituents		Species	Test results
Benzyl chloride (CAS 100-44-7)			
Aquatic			
Crustacea	EC50	Daphnia magna	1,3 mg/l, 24 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	4,4 - 5,6 mg/l, 96 hours
		Zebra danio (Danio rerio)	4 mg/l, 96 hours
Other			
Micro-organisms	EC50	Micro-organisms	2,97 mg/l, 30 minutes
			2,25 mg/l, 15 minutes
			1.92 mg/l, 5 minutes

12.2. Persistence and degradability Decomposes in the presence of water.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Benzyl chloride 2,3

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil Not available.

12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the ground. Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

Contaminated packaging Since emptied containers retain product residue, follow label warnings even after container is emptied.

EU waste code 16 03 05*
The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

SECTION 14: Transport information

ADR

14.1. UN number	UN1739
14.2. UN proper shipping name	Benzyl chloroformate
14.3. Transport hazard class(es)	8
Subsidiary class(es)	-
14.4. Packing group	I
14.5. Environmental hazards	Yes
Tunnel restriction code	E
Labels required	8
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

RID

14.1. UN number	UN1739
14.2. UN proper shipping name	Benzyl chloroformate
14.3. Transport hazard class(es)	8
Subsidiary class(es)	-
14.4. Packing group	I
14.5. Environmental hazards	Yes
Labels required	8
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

ADN

14.1. UN number	UN1739
14.2. UN proper shipping name	Benzyl chloroformate
14.3. Transport hazard class(es)	8
Subsidiary class(es)	-
14.4. Packing group	I
14.5. Environmental hazards	Yes
Labels required	8
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

14.1. UN number	UN1739
14.2. UN proper shipping name	Benzyl chloroformate
14.3. Transport hazard class(es)	8
Subsidiary class(es)	-
14.4. Packing group	I
14.5. Environmental hazards	Yes
Labels required	8
ERG Code	8L
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

14.1. UN number	UN1739
14.2. UN proper shipping name	Benzyl chloroformate, Marine pollutant
14.3. Transport hazard class(es)	8
Subsidiary class(es)	-
14.4. Packing group	I
14.5. Environmental hazards	
Marine pollutant	Yes
Labels required	8
EmS No.	F-A, S-B
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

This substance/mixture is not intended to be transported in bulk.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorisation

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Benzyl chloride (CAS 100-44-7)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Benzyl chloride (CAS 100-44-7)

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Benzyl chloride (CAS 100-44-7)

Benzyl chloroformate (CAS 501-53-1)

Directive 94/33/EC on the protection of young people at work

Benzyl chloride (CAS 100-44-7)

Benzyl chloroformate (CAS 501-53-1)

Other regulations

Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 as amended.

National regulations

Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

DNEL: Derived No-Effect Level.
PNEC: Predicted No-Effect Concentration.
PBT: Persistent, bioaccumulative and toxic.
vPvB: Very Persistent and very Bioaccumulative.

References

ECHA CHEM
International Chemical Safety Cards (ICSC)
GESTIS Substance Database

**Information on evaluation
method leading to the
classification of mixture**

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

**Full text of any statements or
R-phrases and H-statements
under Sections 2 to 15**

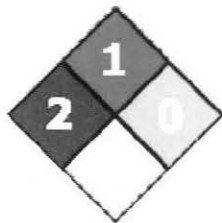

R23 Also toxic by inhalation.
R34 Causes burns.
R45 May cause cancer.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
H314 - Causes severe skin burns and eye damage.
H331 - Toxic if inhaled.
H335 - May cause respiratory irritation.
H350 - May cause cancer.
H410 - Very toxic to aquatic life with long lasting effects.

Training information

Follow training instructions when handling this material.

Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>2*</td></tr><tr><td>Fire Hazard</td><td>1</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	2*	Fire Hazard	1	Reactivity	0		
Health Hazard	2*								
Fire Hazard	1								
Reactivity	0								

Issuing Date 13-Mar-2008

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Carbaester

Synonyms L-phenylalanine, N-(methoxycarbonyl)-, methyl ester

Recommended Use Chemical intermediate.

Supplier Address

VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094
Telephone: 716 433-6764

Company Emergency Phone Number 716-433-6764

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

May cause slight irritation.
May be harmful if swallowed
May cause central nervous system depression
May cause adverse liver effects
May cause adverse kidney effects
Contains a known or suspected reproductive toxin

Appearance Yellow

Physical State Viscous liquid

Odor Irritating

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Principle Routes of Exposure Inhalation, Skin contact, Eye contact, Ingestion.

Acute Toxicity

Eyes

Avoid contact with eyes. Irritating to eyes.

Skin

Substance may cause slight skin irritation. Repeated exposure may cause skin dryness or cracking.

Inhalation

May cause irritation of respiratory tract. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

Ingestion

May be harmful if swallowed. Potential for aspiration if swallowed. May cause additional affects as listed under "Inhalation".

Chronic Effects

Avoid repeated exposure. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Repeated or prolonged overexposure to solvents may cause permanent damage to the nervous system. May cause adverse liver effects. May cause adverse kidney effects. Contains a known or suspected reproductive toxin. Contains toluene. Exposure to toluene in animals via inhalation and intentional overexposure to toluene in humans has caused adverse fetal development effects.

Aggravated Medical Conditions

Central nervous system. Use of alcoholic beverages may enhance toxic effects.

Environmental Hazard

See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family

Esters.

Formula

C₁₂H₁₅O₄N

Chemical Name	CAS-No	Weight %
L-phenylalanine, N-(methoxycarbonyl)-, methyl ester	41844-71-7	>98
Toluene	108-88-3	<2

4. FIRST AID MEASURES

General Advice

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if irritation persists.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Inhalation

Move to fresh air. If symptoms persist, call a physician. If breathing has stopped, contact emergency medical services immediately. If breathing is irregular or stopped, administer artificial respiration.

Ingestion

Call a physician immediately. Rinse mouth. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

Notes to Physician

Treat symptomatically

Protection of First-aiders

Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Combustible material.
Flash Point	> 150°C / > 302°F
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO ₂). Dry chemical. Foam. Water spray.
Hazardous Combustion Products	Carbon oxides, Nitrogen oxides (NO _x).
<u>Explosion Data</u>	
Sensitivity to mechanical impact	None
Sensitivity to static discharge	Yes.
Specific Hazards Arising from the Chemical	Keep product and empty container away from heat and sources of ignition. Risk of ignition. Thermal decomposition can lead to release of irritating gases and vapors.
Protective Equipment and Precautions for Firefighters	Wear self-contained breathing apparatus and protective suit.

<u>NFPA</u>	Health Hazard 2	Flammability 1	Stability 0	Physical and Chemical Hazards -
<u>HMIS</u>	Health Hazard 2*	Flammability 1	Stability 0	Personal Precautions -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak. Take precautionary measures against static discharges.
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Use personal protective equipment. Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. The product may crystallize if it is stored for a long time.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection
Skin and Body Protection
Respiratory Protection

Safety glasses with side-shields. Face-shield.
Wear protective gloves/clothing.
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow	Odor	Irritating
Odor Threshold	No information available	Physical State	Viscous liquid
pH	approx. 4.7		
Flash Point	> 150°C / > 302°F	Autoignition Temperature	No information available
Decomposition Temperature	No information available	Boiling Point/Range	140°C / 284°F (0.5 mmHg)
Melting Point/Range	No information available		
Flammability Limits in Air	No information available	Explosion Limits	No information available
Specific Gravity	1.16	Water Solubility	Insoluble in water
Solubility	Ethanol Toluene Chloroform	Evaporation Rate	No information available
Vapor Pressure	No data available	Vapor Density	No data available
VOC Content	Not applicable		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Incompatible Products	Strong oxidizing agents. Strong acids.
Conditions to Avoid	Excessive heat.

Hazardous Decomposition Products Carbon oxides. Nitrogen oxides (NOx).

Hazardous Polymerization Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information No acute toxicity information is available for this product. Data is for major component in product.

Irritation No skin irritation. OECD Test Guideline 404. rabbit skin. No eye irritation. OECD Test Guideline 405. rabbit eye. Repeated or prolonged exposure may cause irritation of eyes and skin.

LD50 Oral VALUE (mg/kg) >2000 mg/kg (EVIC-CEBA n° 98/0194 - 03/1998) (rat)

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Toluene	636 mg/kg (Rat)	12124 mg/kg (Rat) 8390 mg/kg (Rabbit)	12.5 mg/L (Rat) 4 h 26700 ppm (Rat) 1 h

Chronic Toxicity

Chronic Toxicity Avoid repeated exposure. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Repeated or prolonged overexposure to solvents may cause permanent damage to the nervous system. May cause adverse liver effects. May cause adverse kidney effects. Contains a known or suspected reproductive toxin. Contains toluene. Exposure to toluene in animals via inhalation and intentional overexposure to toluene in humans has caused adverse fetal development effects.

Sensitization No sensitization responses were observed. OECD Test Guideline 406. guinea pig.

Target Organ Effects None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Toluene	EC50 > 433 mg/L 96 h	LC50= 13 mg/L Lepomis macrochirus 96 h LC50= 24.0 mg/L Lepomis macrochirus 96 h LC50= 24.0 mg/L Oncorhynchus mykiss 96 h LC50= 25 mg/L Pimephales promelas 96 h	EC50 = 19.7 mg/L 30 min	EC50 = 11.3 mg/L 48 h EC50 = 310 mg/L 48 h

Chemical Name	Log Pow
Toluene	= 2.65

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local regulations. Can be incinerated, when in compliance with local regulations.

Contaminated Packaging Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDL	Does not comply
EINECS/ELINCS	Does not Comply
ENCS	Does not Comply
IECSC	Does not Comply
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene	1000 lb	X	X	X

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Toluene	1000 lb	

U.S. State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Toluene	108-88-3	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Toluene	X	X	X	X	X

International Regulations**Mexico - Grade**

Slight risk, Grade 1

Chemical Name	Carcinogen Status	Exposure Limits
Toluene		Mexico: TWA= 50 ppm Mexico: TWA= 188 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2A Very toxic materials



Chemical Name	NPRI
Toluene	X

16. OTHER INFORMATION**Issuing Date**

13-Mar-2008

Revision Date**Revision Note**

No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

Section 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Name of the substance Phenyl Chloroformate
Identification number 1885-14-9
Registration number -
Synonyms None.
Date of first issue 21-February-2012
Version number 01
Revision date -
Supersedes date -

Relevant identified uses of the substance or mixture and uses advised against

Identified uses Industrial chemical.
Uses advised against None known.

Details of the supplier of the safety data sheet

Supplier

Company name VanDeMark Chemical Inc.
Address 1 North Transit Road, Lockport, NY 14094, USA
Telephone +1 716-433-6764
Contact person Not available.
Emergency telephone +1-703-527-3887, International

Section 2: Hazards identification

Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification T+;R26, C;R34, Xn;R22

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Acute toxicity, oral	Category 4	Harmful if swallowed.
Acute toxicity, inhalation	Category 2	Fatal if inhaled.
Skin corrosion/irritation	Category 1	Causes severe skin burns and eye damage.

Hazard summary

Physical hazards Not classified for physical hazards.
Health hazards Harmful if swallowed. Very toxic by inhalation. Causes burns.
Environmental hazards Not classified for hazards to the environment.
Specific hazards Corrosive. Prolonged contact causes serious eye and tissue damage. Inhalation of vapour or mist may cause lung oedema. Ingestion: May have a corrosive effect on the digestive canal.
Main symptoms Extreme irritation of eyes and mucous membranes, including burning and tearing. May cause severe irritation or burns to the eyes, skin, gastrointestinal tract, and respiratory system.

Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Phenyl chloroformate
Identification number 1885-14-9



Signal word Danger

Hazard statements	Harmful if swallowed. Fatal if inhaled. Causes severe skin burns and eye damage.
Precautionary statements	
Prevention	Do not breathe mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when using this product.
Response	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTRE or doctor/physician.
Storage	Keep container tightly closed.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information	None.
Other hazards	None known.

Section 3: Composition/information on ingredients

Substance

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Phenyl chloroformate	99 - 100	1885-14-9 217-547-8	-	-	
Classification:	DSD: T+;R26, C;R34, Xn;R22 CLP: Acute Tox. 4;H302, Skin Corr. 1;H314, Acute Tox. 2;H330				

DSD: Directive 67/548/EEC.
CLP: Regulation No. 1272/2008.

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The full text for all R- and H-phrases is displayed in section 16.

Section 4: First aid measures

General information Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

Description of first aid measures

Inhalation	Immediately remove from further exposure. Get immediate medical assistance. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Give supplemental oxygen, if available. If breathing has stopped, assist ventilation with a mechanical device.
Skin contact	Immediately remove contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately. Chemical burns must be treated by a physician.
Eye contact	Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. Continue to rinse.
Ingestion	Immediately rinse mouth and drink plenty of water. Keep victim under observation. Do not induce vomiting. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed Corrosive effects. Extreme irritation of eyes and mucous membranes, including burning and tearing. Itching, redness, burning of skin. Vapours may cause drowsiness and dizziness.

Indication of any immediate medical attention and special treatment needed Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure.

Section 5: Firefighting measures

General fire hazards The product is combustible, and heating may generate vapours which may form explosive vapour/air mixtures.

Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Water.

Special hazards arising from the substance or mixture The product reacts with water and will generate heat. Produce toxic and/or corrosive substances on contact with water. By heating and fire, toxic vapours/gases may be formed. Vapours may form explosive mixtures with air.

Advice for firefighters

Special protective equipment for firefighters	Self-contained breathing apparatus and full protective clothing should be worn when fighting chemical fires. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.
Special firefighting procedures	Move containers from fire area if you can do so without risk. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply. Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Evacuate area. Eliminate all sources of ignition. Keep upwind. Avoid inhalation of vapours and spray mists. Avoid contact with skin and eyes. Wear suitable protective clothing. For personal protection, see section 8.
For emergency responders	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

Environmental precautions

Do not discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Remove sources of ignition. Absorb spillage with non-combustible, absorbent material.

Reference to other sections

See Section 8 for personal protective equipment. For waste disposal, see section 13.

Section 7: Handling and storage

Precautions for safe handling

All handling to take place in well-ventilated area. Use explosion-proof ventilation equipment. Avoid inhalation of vapours and spray mist and contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Provide adequate ventilation. Keep away from heat, sparks and open flame. Keep container tightly closed. Store away from incompatible materials.

Specific end use(s)

Industrial chemical.

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures	Follow standard monitoring procedures.
DNEL	Not available.
PNEC	Not available.

Exposure controls

Appropriate engineering controls

Should be handled in closed systems, if possible. Provide adequate ventilation. Local ventilation should be provided. Provide easy access to water supply or an emergency shower.

Individual protection measures, such as personal protective equipment

General information	Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
Eye/face protection	Wear tight-fitting goggles or face shield.
Skin protection	
- Hand protection	Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. In full contact: Glove material: Viton. Layer thickness: 0,7 mm Breakthrough time: > 480 min. Suitable gloves can be recommended by the glove supplier.
- Other	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Respiratory protection	Wear suitable respiratory protection. Use respiratory equipment with gas filter, type A2.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls

Contain spills and prevent releases and observe national regulations on emissions.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Clear liquid.
Physical state	Liquid.
Form	Liquid.

Colour	Clear.
Odour	Pungent.
Odour threshold	Not available.
pH	Not applicable.
Melting point/freezing point	-38 °C (-36,4 °F)
Boiling point, initial boiling point, and boiling range	75 °C (167 °F) (13 mmHg)
Flash point	77 °C (170,6 °F)
Auto-ignition temperature	Not applicable.
Flammability (solid, gas)	Not applicable.
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Oxidising properties	Not available.
Explosive properties	Not available.
Explosive limit	Not available.
Vapour pressure	< 1 mm Hg (20 °C)
Vapour density	Not available.
Evaporation rate	Not available.
Relative density	Not available.
Relative density temperature	1,248 (20 °C)
Solubility (water)	Reacts with water.
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Percent volatile	Not available.
Other data	
Molecular formula	C7H5ClO2
Other information	No relevant additional information available.

Section 10: Stability and reactivity

Reactivity	Material reacts with water.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Decomposes in the presence of water. Decomposes on heating.
Conditions to avoid	Heat, flames and sparks. Moisture.
Incompatible materials	Strong oxidising agents. Water. Acids. Amines. Alcohols.
Hazardous decomposition products	Carbon oxides. Hydrogen chloride. Phenol.

Section 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure	
Ingestion	May cause burns in mucous membranes, throat, oesophagus and stomach.
Inhalation	Can cause severe respiratory irritation. Inhalation of vapour or mist may cause lung oedema. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure.
Skin contact	Causes skin burns.
Eye contact	Corrosive. Prolonged contact causes serious eye and tissue damage.
Symptoms	Corrosive effects. Extreme irritation of eyes and mucous membranes, including burning and tearing. Itching, redness, burning of skin. Vapours may cause drowsiness and dizziness. Shortness of breath.

Information on toxicological effects

Acute toxicity Fatal if inhaled. Harmful if swallowed.

Product **Test results**

Phenyl chloroformate (1885-14-9) Acute Dermal LD50 Rabbit: 3970 ul/kg
Acute Oral LD50 Rat: 1410 ul/kg

Skin corrosion/irritation Causes skin burns.
Serious eye damage/eye irritation Causes serious eye damage.
Respiratory sensitisation No data available.
Skin sensitisation No data available.
Germ cell mutagenicity No data available.
Carcinogenicity No data available.
Reproductive toxicity No data available.
Specific target organ toxicity - single exposure No data available.
Specific target organ toxicity - repeated exposure No data available.
Aspiration hazard No data available.
Mixture versus substance information Not available.
Other information Not available.

Section 12: Ecological information

Toxicity

Product **Test results**

Phenyl chloroformate (1885-14-9) LC50 Leuciscus idus: 10 - 22 mg/l 96 hours

Persistence and degradability No data available.
Bioaccumulative potential No data available.
Mobility No data available.
Environmental fate - Partition coefficient Not available.
Mobility in soil No data available.
Results of PBT and vPvB assessment No data available.
Other adverse effects Harmful to aquatic life.

Section 13: Disposal considerations

Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the ground.
Contaminated packaging Since emptied containers retain product residue, follow label warnings even after container is emptied.
EU waste code 16 03 05*
Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: Transport information

ADR

UN number UN2746
UN proper shipping name PHENYL CHLOROFORMATE
Transport hazard class(es) 6.1
Subsidiary class(es) 8
Packing group II
Environmental hazards No
Tunnel restriction code D/E
Labels required 6.1
+8
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

RID

UN number	UN2746
UN proper shipping name	PHENYL CHLOROFORMATE
Transport hazard class(es)	6.1
Subsidiary class(es)	8
Packing group	II
Environmental hazards	No
Labels required	6.1+8
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

ADN

UN number	UN2746
UN proper shipping name	Phenyl Chloroformate
Transport hazard class(es)	6.1
Subsidiary class(es)	8
Packing group	II
Environmental hazards	No
Labels required	6.1+8
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number	UN2746
UN proper shipping name	Phenyl chloroformate
Transport hazard class(es)	6.1
Subsidiary class(es)	8
Packing group	II
Environmental hazards	No
ERG Code	6C
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN2746
UN proper shipping name	PHENYL CHLOROFORMATE
Transport hazard class(es)	6.1
Subsidiary class(es)	8
Packing group	II
Marine pollutant	No
EmS No.	F-A, S-B
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not relevant.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V

Not listed.

Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registry (EPER)

Not listed.

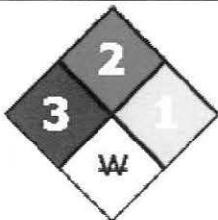


Regulation (EC) No. 1907/2006, REACH Article 59(1). Candidate List

Not listed.

Other regulations	Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 as amended.
National regulations	Follow national regulation for work with chemical agents.
Chemical safety assessment	No Chemical Safety Assessment has been carried out.

Section 16: Other information

List of abbreviations	DNEL: Derived No-Effect Level. PNEC: Predicted No-Effect Concentration. PBT: Persistent, bioaccumulative and toxic. vPvB: Very Persistent and very Bioaccumulative.
References	Not available.
Information on evaluation method leading to the classification of mixture	The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
Full text of any statements or R-phrases and H-phrases under Sections 2 to 15	R22 Harmful if swallowed. R26 Very toxic by inhalation. R34 Causes burns. H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage. H330 - Fatal if inhaled.
Training information	Follow training instructions when handling this material.
Disclaimer	This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.
Issue date	21-February-2012
Revision date	21-February-2012
Print date	21-February-2012

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>3*</td></tr><tr><td>Fire Hazard</td><td>2</td></tr><tr><td>Reactivity</td><td>1</td></tr></table>	Health Hazard	3*	Fire Hazard	2	Reactivity	1		
Health Hazard	3*								
Fire Hazard	2								
Reactivity	1								

*Indicates a chronic health hazard.

Issuing Date 05-Feb-2009

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Cyclopentyl Chloroformate

UN-No UN2742

Recommended Use Intermediate.

Supplier Address

VanDeMark Chemical, Inc.
1 North Transit Road
Lockport, NY 14094
Telephone: 716-433-6764

Company Emergency Phone Number 716-433-6764

Emergency Telephone Number Chemtrec: 1-800-424-9300 for US/ 703-527-3887 outside US

2. HAZARDS IDENTIFICATION**WARNING!****Emergency Overview**

Harmful by inhalation
May cause pulmonary edema
Pulmonary edema can be fatal
Harmful if swallowed
May be harmful if absorbed through skin
Irritant
May produce an allergic reaction
May cause sensitization by skin contact
Vapors may be irritating to eyes, nose, throat, and lungs

Appearance Colorless**Physical State** Liquid.**Odor** Acrid**OSHA Regulatory Status**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects**Principle Routes of Exposure**

Inhalation, Skin contact, Eye contact.

Acute Toxicity**Eyes****Skin**

Severely irritating to eyes. May cause burns.

May be harmful in contact with skin. May cause skin irritation and/or dermatitis. May cause sensitization by skin contact.

Inhalation

Harmful by inhalation. Irritating to respiratory system. Contact with moist mucous membranes of the respiratory system can cause caustic condition resulting in burns. Inhalation of vapors in high concentration may cause shortness of breath (lung edema). Pulmonary edema can be fatal.

Ingestion

Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract. Aspiration may cause pulmonary edema and pneumonitis. May cause additional effects as listed under "Inhalation".

Chronic Effects

Avoid repeated exposure. Prolonged exposure may cause chronic effects. May produce an allergic reaction. Repeated inhalation of vapors may cause irritation of respiratory tract or bronchitis.

Aggravated Medical Conditions

Allergies, Skin disorders, Respiratory disorders.

Environmental Hazard

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Formula**

C6H9ClO2

Chemical Name	CAS-No	Weight %
Cyclopentyl chloroformate	50715-28-1	>=95

4. FIRST AID MEASURES

General Advice	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. If symptoms persist, call a physician.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Call a physician immediately.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Inhalation	Call a physician or Poison Control Center immediately. Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.
Ingestion	Call a physician or Poison Control Center immediately. Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting.
Notes to Physician	May cause sensitization of susceptible persons. Use of epinephrine may be indicated. Treat symptomatically.
Protection of First-aiders	Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Remove all sources of ignition.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Flammable; may be ignited by heat, sparks or flames.
Flash Point	42.5°C
Suitable Extinguishing Media	Carbon dioxide (CO ₂). Dry powder. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	Water.
Hazardous Combustion Products	Cyclopentyl alcohol, Hydrogen chloride, Chlorine gas, Carbon oxides.
Explosion Data	
Sensitivity to Mechanical Impact	None
Sensitivity to Static Discharge	Yes.
Specific Hazards Arising from the Chemical	Emits toxic gases/vapors under fire conditions and in contact with water. Thermal decomposition can lead to release of toxic and corrosive gases/vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact.
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus and full protective gear.

NFPA	Health Hazard 3	Flammability 2	Stability 1	Physical and Chemical Hazards W
HMIS	Health Hazard 3*	Flammability 2	Physical Hazard 1	Personal Protection -

*Indicates a chronic health hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Evacuate personnel to safe areas. Remove all sources of ignition. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.
Methods for Containment	Dike for later disposal; do not apply water unless directed to do so. Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Use personal protective equipment. Dam up. Neutralize with soda ash (sodium carbonate) or lime over area of spill. Cover liquid spill with sand, earth or other noncombustible absorbent material. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Do not direct water at spill or source of leak. Use non-sparking tools and equipment.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Prevent breathing of mist or vapors. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate exhaust ventilation.
Storage	Keep at <-5 °C. Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	Showers Eyewash stations Ventilation systems
Personal Protective Equipment	
Eye/Face Protection	Tightly fitting safety goggles. Face-shield.
Skin and Body Protection	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Impervious butyl rubber gloves.
Respiratory Protection	Wear a positive-pressure supplied-air respirator with full facepiece.
Hygiene Measures	Wear suitable gloves and eye/face protection. Prevent contact with skin eyes and clothing. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing. Keep away from food, drink and animal feeding stuffs. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless.	Odor	Acrid.
Odor Threshold	No information available	Physical State	Liquid
pH	No information available		
Flash Point	42.5°C	Autoignition Temperature	-398°C
Decomposition Temperature	No information available	Boiling Point/Range	102.5°C
Melting Point/Range	<-60°C		
Flammability Limits in Air	No information available	Explosion Limits	No information available
Molecular Weight	148.59	Water Solubility	Decomposes
Solubility	No information available	Evaporation Rate	No information available
Vapor Pressure	204 Pa (20°C) 85100 Pa (100°C)	Vapor Density	No data available
Density	1.1507 g/cm3@ 20 degreesC	VOC Content	Not applicable

10. STABILITY AND REACTIVITY

Stability	Stable up to approximately -5°C. Reacts with water.
Incompatible Products	Water. Alkaline. Alkaline earth metals. Amines. Alcohols. Acids. Bases. Iron.
Conditions to Avoid	Exposure to water. Exposure to air or moisture over prolonged periods. Extremes of temperature and direct sunlight. Temperatures above -5°C.
Hazardous Decomposition Products	Keep refrigerated. Emits toxic gases/vapors under fire conditions and in contact with water. Thermal decomposition can lead to release of toxic/corrosive gases and vapors. Hydrogen chloride. Cyclopentyl alcohol.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity****Product Information****Inhalation**

There is no data available for this product. Harmful by inhalation. Contact with moist mucous membranes of the respiratory system can cause caustic condition resulting in burns. Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhalation of vapors in high concentration may cause shortness of breath (lung edema). Pulmonary edema can be fatal.

Eye Contact

Severely irritating to eyes. May cause burns.

Skin Contact

May be harmful in contact with skin. May cause irritation. May cause sensitization by skin contact.

Ingestion

Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract. Aspiration may cause pulmonary edema and pneumonitis.

Chronic Toxicity**Chronic Toxicity**

Avoid repeated exposure. Prolonged exposure may cause chronic effects. May produce an allergic reaction. Repeated inhalation of vapors may cause irritation of respiratory tract or bronchitis.

Carcinogenicity

There are no known carcinogenic chemicals in this product.

Sensitization

May cause sensitization by skin contact. Shown to be strong sensitizer in animal (Guinea-pig) studies.

Target Organ Effects

Lungs, Eyes.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Cyclopentyl chloroformate		Brachydanio rerio: CL50 (24 hrs) = 26.3 mg/l CL50 (48 hrs) = 26.3 mg/l CL50 (72hrs) 26.3mg/l CL50 (96 hrs) = 26.3mg/l		CE50 (24 hrs) = 16.2 mg/l CE50 (48 hrs) = 12.6 mg/l

Persistence and Degradability

Decomposes by hydrolyse to form hydrochloric acid, carbon dioxide and cyclopentyl alcohol. No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS**Waste Disposal Methods**

Should not be released into the environment.

Contaminated Packaging

Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION**DOT**

Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
Subsidiary Class	8, 3
UN-No	UN2742
Packing Group	II
Description	UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s., 6.1, (8, 3), PG II
Emergency Response Guide Number	155

TDG

Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
Subsidiary Class	8, 3
UN-No	UN2742
Packing Group	II
Description	CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S., 6.1, UN2742, PG II

MEX

Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
Subsidiary Class	3, 8
UN-No	UN2742
Packing Group	II
Description	UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s., 6.1, II

ICAO

UN-No	UN2742
Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
Subsidiary Class	3, 8
Packing Group	II
Description	Chloroformates, toxic, corrosive, flammable, n.o.s., 6.1 (3, 8), UN2742, PG II

IATA

UN-No	UN2742
Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
Subsidiary Class	3, 8
Packing Group	II
ERG Code	6CF
Description	UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s., 6.1 (3, 8), PG II

IMDG/IMO

Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
Subsidiary Class	3, 8, +
UN-No	UN2742
Packing Group	II
EmS No.	F-E, S-C
Description	UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s., 6.1 (3, 8, +), PG II

RID

Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
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14. TRANSPORT INFORMATION

Hazard Class	6.1
UN-No	UN2742
Packing Group	II
Classification Code	TFC
Description	UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1,II,RID
ADR/RID-Labels	6.1 + 3 + 8

ADR

Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
UN-No	UN2742
Packing Group	II
Classification Code	TFC
Description	UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1,II
ADR/RID-Labels	8, 3

ADN

Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
Packing Group	II
Classification Code	TFC
Special Provisions	274, 561, 802
Description	UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1,II
Hazard Labels	6.1 + 3 + 8
Limited Quantity	LQ17
Ventilation	VE01, VE02

15. REGULATORY INFORMATION**International Inventories**

TSCA	This product contains ingredients which are not listed on the TSCA Inventory. It is for research and development purposes only.
DSL	Does not comply
NDSL	Does not comply
EINECS	Complies
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations**International Regulations**

Mexico - Grade Moderate risk, Grade 2

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B3 Combustible liquid
D2B Toxic materials



16. OTHER INFORMATION

Prepared By	Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501
Issuing Date	05-Feb-2009
Revision Date	
Revision Note	No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

Title: DDI Crude MSDS

SOP: SE-0107-00

Revision 0

Page 1 of 4

MATERIAL SAFETY DATA SHEET

Date: June 2, 2008

SE: 0107-00

Rev: 0

1. CHEMICAL PRODUCT IDENTIFICATION

<i>Product name</i>	DDI Crude
<i>Use</i>	Chemical Intermediate.
<i>Manufactured by</i>	VanDeMark Chemical Inc. 1 North Transit Road Lockport NY 14094 USA 716-433-6764
<i>Emergency telephone</i>	VanDeMark Chemical Inc. 716-433-6764 Chemtrec : 1-800-924-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number
Dimeryl Diisocyanate	68239-06-5

3. HAZARD IDENTIFICATION

WARNING: CAUSES EYE, SKIN, AND RESPIRATORY TRACT IRRITATION.

4. FIRST AID MEASURES

<i>Inhalation :</i>	Move to fresh air. If symptoms persist, call a physician.
<i>Skin contact :</i>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<i>Eye contact :</i>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.
<i>Ingestion :</i>	Rinse mouth. Drink large quantity of milk or water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Consult a physician.

Title: DDI Crude MSDS		
SOP: SE-0107-00	Revision 0	Page 2 of 4

5. FIRE FIGHTING MEASURES

<i>Extinguishing Media:</i>	CO2, dry chemical, foam.
<i>Hazardous thermal decomposition and combustion product :</i>	May produce hazardous fumes or decomposition products upon combustion.
<i>Protective equipment :</i>	Self contained breathing apparatus and full turn out gear. Toxic & corrosive fumes may be generated.

6. ACCIDENTAL RELEASE MEASURES

<i>Personal precautions :</i>	Use personal protective equipment. Avoid contact with skin, eyes and clothing. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
<i>Environmental precautions :</i>	Do not let contaminated extinguishing water enter into the soil, groundwater or surface waters.
<i>Cleaning procedures :</i>	Cover with sand, earth or other noncombustible absorbent material. Pick up, keep in a closed container. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

<i>Storage :</i>	Store tightly sealed container in a dry and well-ventilated, area..
<i>Handling :</i>	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

Title: DDI Crude MSDS		
SOP: SE-0107-00	Revision 0	Page 3 of 4

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<i>Exposure limits :</i>	No occupational exposure limits established for this material.
<i>Respiratory protection :</i>	Not applicable with local exhaust.
<i>Hand protection :</i>	Use impermeable gloves.
<i>Eye protection :</i>	Safety glasses, goggles or full face shield for splash protection.
<i>Skin protection :</i>	Lightweight protective clothing. Apron. Long sleeved clothing.
<i>Special protective measures :</i>	Safety shower and eye wash recommended near work area.
<i>Work hygienic practice :</i>	Wash well after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Description :</i>	Black liquid.
<i>Odor :</i>	Pungent
<i>Boiling point :</i>	ND
<i>Flash point :</i>	296°F
<i>Specific gravity @ 25°C :</i>	0.920
<i>Solubility's :</i>	Negligible

10. STABILITY AND REACTIVITY

<i>Conditions to avoid :</i>	Avoid high temperatures.
<i>Materials to avoid :</i>	
<i>Hazardous Polymerization:</i>	Not know to occur.

11. TOXICOLOGICAL INFORMATION

Toxicological Data: Oral LD(50) > 5 g/kg Rat
Reproductive Toxicity: None available for this material.

12. ECOLOGICAL INFORMATION

Environmental Fate: None available for this material
Environmental Toxicity: None available for this material

13. DISPOSAL CONSIDERATIONS

<i>Methods of disposal :</i>	Incinerate following all local, state and federal regulations.
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Title: DDI Crude MSDS		
SOP: SE-0107-00	Revision 0	Page 4 of 4

14. TRANSPORTATION

US DOT Not regulated

Hazard Class NA

Packing Group NA

ID Number NA

ERG Guide # NA

15. REGULATORY INFORMATION

TSCA: Listed.
TRI: Not listed
CERCLA: Not listed
EPCRA: Not reportable.
RMP/PSM: Not listed.
OSHA PEL: None.

16. OTHER INFORMATION

Molecular formula : $C_{38}H_{70}N_2O_2$

Molecular weight: 586.99

NFPA Hazard Rating Health 3

Flammability 1

Reactivity 0

Hazard rating according to the NFPA hazard ranking system. 4=Severe, 3 = serious, 2 = slight, 1 = minimal, 0 = none

The information contained in this data sheet is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantees, since the conditions of use are beyond our control. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.

Issuing Date 06-Aug-2007

Revision Date 09-Dec-2010

Revision Number 1

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name Dibenzyl Azodicarboxylate
Synonyms DBAD
Formula C₁₆H₁₄N₂O₄

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Chemical intermediate
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Company
VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094, USA
Telephone: 716-433-6764

For further information, please contact

E-mail Address sales@vdmchemical.com

1.4. Emergency telephone number

Emergency Telephone CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
Number 1-800-424-9300 (NORTH AMERICA)

Europe	112
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Section 2. Hazards identification

2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Serious Eye Damage/Eye Irritation	Category 2
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Physical Hazards	None
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Classification according to EU Directives 67/548/EEC or 1999/45/EC
For the full text of the R-phrases mentioned in this Section, see Section 16

Symbol(s) Xi - Irritant
R-code(s) Xi;R36

2.2. Label Elements

**Signal Word****Warning****Hazard Statements**

H319 - Causes serious eye irritation

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/ attention

2.3. Other information**Section 3. Composition/information on ingredients****3.1. Substances****Chemical Nature of the Preparation** Organic compound.

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Dibenzyl Azodicarboxylate	219-508-0	2449-05-0	98	Xi;R36	Eye Irrit. 2 (H319)	No data available

For the full text of the R-phrases mentioned in this Section, see Section 16**For the full text of the H-Statements mentioned in this Section, see Section 16****Section 4. First aid measures****4.1. Description of first-aid measures****Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Ingestion

Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Consult a physician.

Inhalation

Move to fresh air. If symptoms persist, call a physician.

Protection of First-aiders

Use personal protective equipment.

4.2. Most important symptoms and effects, both acute and delayed**Most Important Symptoms/Effects** No information available.**4.3. Indication of immediate medical attention and special treatment needed**

Notes to Physician

Treat symptomatically.

Section 5. Fire-fighting measures**5.1. Extinguishing media****Suitable Extinguishing Media**Water. Carbon dioxide (CO₂). Dry powder. Foam.**Extinguishing media which must not be used for safety reasons**

No information available.

5.2. Special hazards arising from the substance or mixture**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

Thermal decomposition can lead to release of irritating gases and vapors.

5.3. Advice for firefighters**Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation.

Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.

6.3. Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage**7.1. Precautions for Safe Handling****Handling**

Wear personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Do not breathe vapors/dust. Avoid contact with skin and eyes.

Hygiene Measures

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep away from heat. Keep at temperatures below 4.4°C / 40°F. Keep in properly labeled containers. Shelf life 6 months.

7.3. Specific end use(s)**Exposure Scenario**

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures Showers, eyewash stations, and ventilation systems.

Personal protective equipment

Eye Protection Safety glasses with side-shields.

Skin and Body Protection Long sleeved clothing. Impervious gloves.

Hand Protection Protective gloves.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Environmental Exposure Controls Do not allow material to contaminate ground water system.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Solid, Crystalline, Powder	Appearance	Yellow-orange
Odor	Odorless		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	6-8	(20 % solution)
Melting Point/Range	45-49°C / 113-120°F	None known
Boiling Point/Range	Decomposes	None known
Flash Point	230°C / 446°F	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Insoluble in water.	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	approx. 150 °C	None known
Viscosity	No data available	None known

Explosive Properties No information available

Oxidizing Properties No information available

9.2. Other information

VOC Content (%) No information available

Section 10. Stability and reactivity

Section 10. Stability and reactivity**10.1. Reactivity**

No data available.

10.2. Chemical stability

Stable under recommended storage conditions. Temperatures above 100°C will result in vigorous decomposition

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. Conditions to avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight. Exposure to air or moisture over prolonged periods.

Strong oxidizing agents. Water. Alcohols

10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors. Nitrogen oxides (NOx). Carbon oxides.

Section 11. Toxicological information**11.1.****Acute Toxicity****Product Information****Inhalation**

There is no data available for this product.

Eye Contact

Causes serious eye irritation.

Skin Contact

There is no data available for this product.

Ingestion

There is no data available for this product.

LD50 Dermal:

>2150 mg/kg (rabbit)

LC50 Inhalation:

>28000 mg/m³ (dust)

Irritation

Irritating to eyes. Inhalation of dust in high concentration may cause irritation of respiratory system.

Corrosivity

No information available.

Sensitization

No information available.

Mutagenic Effects

No information available.

Carcinogenic Effects

No information available.

Reproductive Toxicity

No information available.

Developmental Toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Target Organ Effects

Eyes. Respiratory system.

Aspiration Hazard

No information available.

Section 12. Ecological information**12.1. Toxicity****Ecotoxicity Effects**

The environmental impact of this product has not been fully investigated.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential.

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations**Waste treatment methods****Waste from Residues/Unused Products**

Waste is classified as hazardous. Should not be released into the environment. Dispose of in accordance with local regulations.

Contaminated Packaging

Dispose of in accordance with local regulations.

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14. Transport information**IMDG/IMO**

14.1. UN-No	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Marine Pollutant	None.
14.6. Special Provisions	None.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

RID

14.1. UN-No	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

ADR

14.1. UN-No	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

Section 14. Transport information**ICAO**

14.1. UN-No	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

IATA

14.1. UN-No	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

Section 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Listed on NDSL
PICCS	-
ENCS	-
IECSC	-
AICS	-
KECL	Complies
Legend	

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No information available

Section 16. Other information**Full text of R-phrases referred to under Sections 2 and 3**

R36 - Irritating to eyes

Full text of H-Statements referred to under sections 2 and 3

H319 - Causes serious eye irritation

Key literature references and sources for datawww.ChemADVISOR.com/

Issuing Date	06-Aug-2007
Revision Date	09-Dec-2010
Revision Note	Update to Format.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

General Disclalmer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Safety Data Sheet

Issuing Date 25-Oct-2010

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Diethyliminodiacetate carbomoyl chloride - liquid (DIDCC)
UN-No UN3129
Recommended Use Intermediate
Synonyms N-chlorocarbonate diethyl iminodiacetate. Glycine, N-(chlorocarbonyl)-N-(2-ethoxy-2-oxoethyl)-, ethyl ester.

Supplier Address

VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094
Telephone: 716 433-6764

Emergency Telephone Number 716-433-6764

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Corrosive
Flammable liquid
Contact with water liberates toxic gas
The product causes burns of eyes, skin and mucous membranes.
Harmful: may cause lung damage if swallowed
Harmful if swallowed, inhaled, or absorbed through skin
Contains a known or suspected reproductive toxin
May cause central nervous system depression
May cause adverse kidney effects
May cause adverse liver effects
May cause drowsiness and dizziness

Appearance Amber

Physical State Liquid.

Odor Acidic

Potential Health Effects

Principle Routes of Exposure

Inhalation. Skin contact. Eye contact.

Acute Toxicity

Eyes

Skin

Inhalation

Ingestion

Causes burns. Corrosive to the eyes and may cause severe damage including blindness.
Harmful in contact with skin. Causes burns.
Harmful by inhalation. Aspiration into lungs can produce severe lung damage.
Harmful if swallowed. Can burn mouth, throat, and stomach. Potential for aspiration if swallowed. Ingestion causes burns of the upper digestive and respiratory tract.

Chronic Effects	Contains a known or suspected reproductive toxin. Avoid repeated exposure. Possible risks of irreversible effects. May cause adverse liver effects. May cause adverse kidney effects. Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen.
Aggravated Medical Conditions	Central nervous system. Kidney disorders. Liver disorders. Skin disorders. Respiratory disorders.
Interactions with Other Chemicals	Use of alcoholic beverages may enhance toxic effects.
Environmental Hazard	See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Diethyliminodiacetate carbamoyl chloride	Proprietary	>95
Toluene	108-88-3	< 5

4. FIRST AID MEASURES

General Advice	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
Eye Contact	Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.
Skin Contact	Immediate medical attention is required. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Inhalation	Immediate medical attention is required. Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion	Immediate medical attention is required. Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person.
Notes to Physician	Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.
Protection of First-aiders	Remove all sources of ignition. Avoid contact with skin, eyes and clothing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Flammable; may be ignited by heat, sparks or flames.
Flash Point	90 - 100°F / 32.2 - 37.8°C
Suitable Extinguishing Media	Carbon dioxide (CO ₂) Dry powder. Dry sand. Foam.
Unsuitable Extinguishing Media	Water reactive. Contact with water liberates toxic gas. Hydrogen chloride gas.
Hazardous Combustion Products	Carbon oxides. Nitrogen oxides (NO _x). Hydrogen chloride.
Explosion Data	

Sensitivity to Mechanical Impact	None			
Sensitivity to Static Discharge	Yes.			
Specific Hazards Arising from the Chemical	The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.			
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.			
NFPA	Health Hazard 3	Flammability 2	Instability 1	Physical and Chemical Hazards W
HMIS	Health Hazard 3	Flammability 2	Physical Hazard 1	Personal Protection -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Remove all sources of ignition Evacuate personnel to safe areas. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Use personal protective equipment.
Environmental Precautions	Prevent product from entering drains. Refer to protective measures listed in Sections 7 and 8.
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers.
Other Information	Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling	Reacts with water. Corrosive to many metals when in contact with water or humidity. Keep at a temperature not exceeding 55 °C. Ensure adequate ventilation.. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery.
Storage	Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Water reactive.: Keep away from water. Corrosive to many metals when in contact with water or humidity.. Store in corrosive resistant polypropylene container with a resistant liner.. Keep at temperatures below 55°.C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 375 mg/m ³ TWA: 100 ppm STEL: 150 ppm STEL: 560 mg/m ³

OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. NIOSH IDLH: Immediately Dangerous to Life or Health.

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Engineering Measures Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment**Eye/Face Protection**

Tightly fitting safety goggles. Face-shield.

Skin and Body Protection

Impervious clothing. Impervious gloves.

Respiratory Protection

Full face piece respirator with organic vapor/acid gas cartridge or canister. Spill Cleanup: Wear a positive-pressure supplied-air respirator with full facepiece.

Hygiene Measures When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin, eyes and clothing. For environmental protection, remove and wash all contaminated protective equipment before re-use. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Amber.	Odor	Acidic.
Odor Threshold	No information available.	Physical State	Liquid
pH	Not applicable		
Flash Point	90 - 100°F / 32.2 - 37.8°C	Autoignition Temperature	No information available.
Decomposition Temperature	118 °C (DSC)	Boiling Point/Range	No information available
Melting Point/Range	<20°C / <68°F		
Flammability Limits in Air	No information available.	Explosion Limits	No information available.
Water Solubility	Decomposes in contact with water	Solubility	Ethanol. Toluene. Ethyl acetate. Acetone. Dichloromethane.
Evaporation Rate	No information available	Vapor Pressure	No data available.
Vapor Density	No data available.	VOC Content (%)	5

10. STABILITY AND REACTIVITY

Stability	Decomposes in contact with water. Stable up to 118°C.
Incompatible Products	Strong oxidizing agents. Incompatible with strong acids and bases. Chlorinated compounds. Water. Alcohols. Amines.
Conditions to Avoid	Heat, flames and sparks. Temperatures above 118°C. Contact with water or moist air liberates irritating gas.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors. Hydrogen chloride gas.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information	Caution - substance not yet tested completely. The product itself has not been tested. May be harmful by inhalation, ingestion, or skin absorption. Contains: Acid chlorides.
Inhalation	Contact with moist mucous membranes of the respiratory system can cause burns and lung damage. May cause drowsiness and dizziness based on components.. Harmful by inhalation.
Eye Contact	Causes burns.
Skin Contact	Causes burns. Harmful in contact with skin.
Ingestion	Can burn mouth, throat, and stomach. Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Toluene	636 mg/kg (Rat)	12124 mg/kg (Rat) 8390 mg/kg (Rabbit)	26700 ppm (Rat) 1 h

Chronic Toxicity

Chronic Toxicity	Contains a known or suspected reproductive toxin. Avoid repeated exposure. Possible risks of irreversible effects. May cause adverse liver effects. May cause adverse kidney effects. Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen.
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Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.
------------------------	--

Chemical Name	ACGIH	IARC	NTP	OSHA
Toluene	-	Group 3	-	-

IARC: (International Agency for Research on Cancer)
Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive Toxicity	Product is or contains a chemical which is a known or suspected reproductive hazard.
Target Organ Effects	Central nervous system (CNS). Eyes. Kidney. Liver. Respiratory system. Skin.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Harmful to aquatic organisms. The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Toluene	EC50: >433 mg/L Pseudokirchneriella subcapitata 96 h EC50: 12.5 mg/L Pseudokirchneriella subcapitata 72 h static	LC50: 15.22-19.05 mg/L Pimephales promelas 96 h flow-through LC50: 12.6 mg/L Pimephales promelas 96 h static LC50: 5.89-7.81 mg/L Oncorhynchus mykiss 96 h flow-through LC50: 14.1-17.16 mg/L Oncorhynchus mykiss 96 h static LC50: 5.8 mg/L Oncorhynchus mykiss 96 h semi-static LC50: 11.0-15.0 mg/L Lepomis macrochirus 96 h static LC50: 54 mg/L Oryzias latipes 96 h static LC50: 28.2 mg/L Poecilia reticulata 96 h semi-static LC50: 50.87-70.34 mg/L Poecilia reticulata 96 h static	EC50 = 19.7 mg/L 30 min	EC50: 5.46 - 9.83 mg/L Daphnia magna 48 h Static EC50: 11.5 mg/L Daphnia magna 48 h

Chemical Name	Log Pow
Toluene	2.65

13. DISPOSAL CONSIDERATIONS**Waste Disposal Methods**

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local laws. The use of licensed waste hauler and disposal contractors is advised.

Contaminated Packaging

Do not re-use empty containers. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

US EPA Waste Number

D001
D003

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Toluene - 108-88-3	waste number U220	Included in waste streams: F005, F024, F025, F039, K015, K036, K037, K149, K151		U220

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Toluene - 108-88-3			Toxic waste; (waste number F025); Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated	

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Toluene	Toxic Ignitable

14. TRANSPORT INFORMATION

DOT

UN-No	Forbidden by Passenger Air: Cargo only. UN3129
Proper Shipping Name	Water-reactive liquid, corrosive, n.o.s.
Hazard Class	4.3
Subsidiary Class	8
Packing Group	II
Description	UN3129, Water-reactive liquid, corrosive, n.o.s. (Diethyliminodiacetate carbamoyl chloride), 4.3, (8), PG II

TDG

UN-No	UN3129
Proper Shipping Name	Water-reactive liquid, corrosive, n.o.s.
Hazard Class	4.3
Subsidiary Class	(8)
Packing Group	II
Description	UN3129, WATER-REACTIVE LIQUID, CORROSIVE, N.O.S. (Diethyliminodiacetate carbamoyl chloride), 4.3(8), PG II

MEX

UN-No	UN3129
Proper Shipping Name	Water-reactive liquid, corrosive, n.o.s.
Hazard Class	4.3
Subsidiary Class	8
Packing Group	II
Description	UN3129 Water-reactive liquid, corrosive, n.o.s. (Diethyliminodiacetate carbamoyl chloride), 4.3(8), II

ICAO

UN-No	Forbidden by Passenger Air: Cargo only. UN3129
Proper Shipping Name	Water-reactive liquid, corrosive, n.o.s.
Hazard Class	4.3
Subsidiary Class	8
Packing Group	II
Description	UN3129, Water-reactive liquid, corrosive, n.o.s. (Diethyliminodiacetate carbamoyl chloride), 4.3(8), PG II

IATA

UN-No	Forbidden by Passenger Air: Cargo only. UN3129
Proper Shipping Name	Water-reactive liquid, corrosive, n.o.s.
Hazard Class	4.3
Subsidiary Class	8
Packing Group	II
ERG Code	4CW
Description	UN3129, Water-reactive liquid, corrosive, n.o.s. (Diethyliminodiacetate carbamoyl chloride), 4.3(8), PG II

IMDG/IMO

UN-No	UN3129
Proper Shipping Name	Water-reactive liquid, corrosive, n.o.s.
Hazard Class	4.3
Subsidiary Class	8
Packing Group	II
EmS No.	F-G, S-N
Description	UN3129, Water-reactive liquid, corrosive, n.o.s. (Diethyliminodiacetate carbamoyl chloride), 4.3(8), PG II, FP 37.8C

RID

UN-No UN3129
Proper Shipping Name Water-reactive liquid, corrosive, n.o.s.
Hazard Class 4.3
Packing Group II
Classification Code WC1
Description UN3129 Water-reactive liquid, corrosive, n.o.s.(Diethyliminodiacetate carbamoyl chloride),4.3(8),II
ADR/RID-Labels 8

ADR

UN-No UN3129
Proper Shipping Name Water-reactive liquid, corrosive, n.o.s.
Hazard Class 4.3
Packing Group II
Classification Code WC1
Description UN3129 Water-reactive liquid, corrosive, n.o.s.(Diethyliminodiacetate carbamoyl chloride),4.3(8),II
ADR/RID-Labels 8

ADN

UN-No UN3129
Proper Shipping Name Water-reactive liquid, corrosive, n.o.s.
Hazard Class 4.3
Packing Group II
Classification Code WC1
Special Provisions 274
Description UN3129 Water-reactive liquid, corrosive, n.o.s.(Diethyliminodiacetate carbamoyl chloride),4.3(8),II
Hazard Labels 4.3 + 8
Limited Quantity LQ10
Ventilation VE01

15. REGULATORY INFORMATION**International Inventories**

TSCA This product contains ingredients which are not listed on the TSCA Inventory. It is for research and development purposes only.
DSL Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Toluene	108-88-3	5	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard Yes
Sudden Release of Pressure Hazard No
Reactive Hazard Yes

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene	1000 lb	X	X	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Toluene	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ RQ 0.454 kg final RQ

U.S. State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Toluene	108-88-3	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Toluene	X	X		X	X

International Regulations**Mexico - Grade**

Moderate risk, Grade 2

Chemical Name	Carcinogen Status	Exposure Limits
Toluene		Mexico: TWA= 50 ppm Mexico: TWA= 188 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B3 Combustible liquid

D2A Very toxic materials

E Corrosive material



Chemical Name	NPRI
Toluene	X

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Prepared By	Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501
Issuing Date	25-Oct-2010
Revision Date	
Revision Note	Initial Release.

General Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

Issuing Date 26-Aug-2010

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Ethyl Chloroformate
UN-No UN1182
Recommended Use Intermediate
Synonyms Carbonochloridic Acid, Ethyl Ester

Supplier Address
VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094
Telephone: 716 433-6764

Company Emergency Phone Number 716-433-6764

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

FLAMMABLE LIQUID AND VAPOR

POISON

May be fatal if inhaled

Very toxic by inhalation

Corrosive

The product causes burns of eyes, skin and mucous membranes

Harmful if swallowed

Appearance Clear, Colorless

Physical State Liquid.

Odor Pungent, Irritating

Potential Health Effects

Principle Routes of Exposure

Inhalation. Skin contact. Eye contact.

Acute Toxicity

Eyes

Causes burns. Corrosive to the eyes and may cause severe damage including blindness. Risk of serious damage to eyes.

Skin

Causes burns.

Inhalation

Very toxic by inhalation. Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate.

Ingestion

Ingestion causes burns of the upper digestive and respiratory tract. Can burn mouth, throat, and stomach. Harmful if swallowed. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking.

Chronic Effects	Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risks of irreversible effects.
Aggravated Medical Conditions	None known.
Environmental Hazard	See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Ethyl chloroformate	541-41-3	> 99
Phosgene	75-44-5	<0.1

4. FIRST AID MEASURES

General Advice	Immediately call a POISON CENTER or doctor/physician.
Eye Contact	Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Inhalation	Move to fresh air. Call a physician or Poison Control Center immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion	Immediate medical attention is required. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water. Call a physician or Poison Control Center immediately.
Notes to Physician	Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.
Protection of First-aiders	Use personal protective equipment. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

5. FIRE-FIGHTING MEASURES

Flammable Properties	HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames. Flammable liquid.
Flash Point	60°F / 15.6°C
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Carbon dioxide (CO ₂). Water spray. Alcohol-resistant foam.
Explosion Data	
Sensitivity to Mechanical Impact	None
Sensitivity to Static Discharge	Yes.

Specific Hazards Arising from the Chemical The product causes burns of eyes, skin and mucous membranes. Flammable Keep product and empty container away from heat and sources of ignition. Risk of ignition Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

Protective Equipment and Precautions for Firefighters Wear self-contained breathing apparatus and protective suit.

NFPA Health Hazard 3 Flammability 3 Instability 0 Physical and Chemical Hazards -

HMIS Health Hazard 3 Flammability 3 Physical Hazard 0 Personal Protection H

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin, eyes and inhalation of vapors. Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

Methods for Containment Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

Methods for Cleaning Up Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Take precautionary measures against static discharges.

Other Information Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapors or spray mist. Avoid contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery.

Storage Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Protect from light. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phosgene 75-44-5	TWA: 0.1 ppm	TWA: 0.1 ppm TWA: 0.4 mg/m ³ (vacated) TWA: 0.1 ppm (vacated) TWA: 0.4 mg/m ³	IDLH: 2 ppm Ceiling: 0.8 mg/m ³ 15 min Ceiling: 0.2 ppm 15 min TWA: 0.4 mg/m ³ TWA: 0.1 ppm

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment**Eye/Face Protection**

Tightly fitting safety goggles. Face-shield.

Skin and Body Protection

Impervious gloves. Chemical resistant apron. Long sleeved clothing.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin, eyes and clothing. For environmental protection, remove and wash all contaminated protective equipment before re-use. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, Colorless.	Odor	Pungent, Irritating.
Odor Threshold	No information available.	Physical State	Liquid
pH	No information available.		
Flash Point	60°F / 15.6°C	Autoignition Temperature	No information available.
Decomposition Temperature	No information available.	Boiling Point/Range	95°C / 203°F (at 760 mm Hg)
Melting Point/Range	-80.6°C / -113°F		
Flammability Limits in Air	No information available.	Explosion Limits	No information available.
Upper	27.5		
Lower	3.2		
Specific Gravity	1.138 @ 68°F	Water Solubility	Decomposes
Solubility	No information available	Evaporation Rate	>1 (water = 1)
Vapor Pressure	57 mmHg @ 70 °F (76 hPa @ 21 °C)	Vapor Density	3.74 (air = 1)
Bulk Density	9.5 lbs./gal.	VOC Content (%)	100

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Incompatible Products	Acids. Bases. Oxidizing agents. Alcohols. Amines. Iron. Metal salts.
Conditions to Avoid	Heat, flames and sparks. Protect from moisture Protect from water.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors. Hydrogen chloride gas. Carbon oxides. Alcohols. Phosgene.
Hazardous Reactions	Decomposes to hydrogen chloride in the presence of moisture.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

May be fatal if inhaled or if swallowed.

Inhalation

Very toxic by inhalation. Corrosive by inhalation.

Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate.

Eye Contact

Corrosive to the eyes and may cause severe damage including blindness.

Skin Contact

Corrosive. Causes burns.

Ingestion

Toxic if swallowed. Accidental ingestion will cause corrosive burns to the mouth, throat, and digestive tract including stomach.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethyl chloroformate	270 mg/kg (Rat)	7120 mg/kg (Rabbit)	840 mg/m ³ (Rat) 1 h
Phosgene			0.084 mg/L (Rat) 30 min

Chronic Toxicity

Chronic Toxicity

Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risks of irreversible effects.

Mutagenic Effects

Not mutagenic in AMES Test.

Target Organ Effects

Eyes. Respiratory system. Gastrointestinal tract (GI). Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic organisms.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Ethyl chloroformate	3.24 mg/L (96-hour EC50)	0.49 mg/L (96-hour LC50)		0.96 mg/L (48-hour EC50)

Persistence and Degradability

Biological degradability (28d): 81-86% @ 30 mg/L

Chemical Name	Log Pow
Ethyl chloroformate	0.63

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated Packaging Do not re-use empty containers.

US EPA Waste Number D001
D002
D003

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Phosgene - 75-44-5	P095	Included in waste stream: K116		

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Phosgene - 75-44-5		P095		

California Hazardous Waste Codes 211

14. TRANSPORT INFORMATION

Note: Forbidden for cargo aircraft and passenger air and rail

DOT

UN-No UN1182
Proper Shipping Name Ethyl Chloroformate
Hazard Class 6.1
Subsidiary Class 3, 8
Packing Group I
Special Provisions 2, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45
Description UN1182, Ethyl Chloroformate, 6.1(3, 8), PG I, Posion Inhalation Hazard, Zone B
Emergency Response Guide Number 155

TDG

UN-No UN1182
Proper Shipping Name Ethyl Chloroformate
Hazard Class 6.1
Subsidiary Class 3, 8
Packing Group I
Description UN1182, Ethyl Chloroformate, 6.1(3, 8), PG I

MEX

UN-No UN1182
Proper Shipping Name Ethyl Chloroformate
Hazard Class 6.1
Subsidiary Class 3, 8
Packing Group I
Description UN1182, Ethyl Chloroformate, 6.1(3, 8), PG I

IATA

UN-No Forbidden
Proper Shipping Name UN1182
Hazard Class Ethyl Chloroformate
6.1

14. TRANSPORT INFORMATION

Subsidiary Class	3, 8
ERG Code	6CF
Description	UN1182, Ethyl Chloroformate, 6.1 (3, 8), I

IMDG/IMO

UN-No	UN1182
Proper Shipping Name	Ethyl Chloroformate
Subsidiary Class	3, 8
Packing Group	I
EmS No.	F-E, S-C
Description	UN1182, Ethyl Chloroformate, 6.1 (3, 8), I, FP 15.6C

RID

UN-No	UN1182
Proper Shipping Name	Ethyl Chloroformate
Hazard Class	6.1
Packing Group	I
Classification Code	TFC
Description	UN1182, Ethyl Chloroformate, 6.1(3, 8), I
ADR/RID-Labels	6.1 + 3 + 8

ADR

UN-No	1182
Proper Shipping Name	Ethyl Chloroformate
Hazard Class	6.1
Packing Group	I
Classification Code	TFC
Description	UN1182, Ethyl Chloroformate, 6.1(3, 8), I
ADR/RID-Labels	6.1 + 3 + 8

ADN

UN-No	UN1182
Proper Shipping Name	Ethyl Chloroformate
Hazard Class	6.1
Packing Group	I
Classification Code	TFC
Special Provisions	802
Description	UN1182, Ethyl Chloroformate, 6.1(3, 8), I
Hazard Labels	6.1 + 3 + 8
Limited Quantity	LQ0
Ventilation	VE01, VE02

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Complies
EINECS	Complies
ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

15. REGULATORY INFORMATION

ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Ethyl chloroformate	541-41-3	99	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosgene	10 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Phosgene	10 lb	10 lb	RQ 10 lb final RQ RQ 4.54 kg final RQ

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Ethyl chloroformate	X	X	X		

International Regulations

Mexico - Grade

Serious risk, Grade 3

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Chemical Name	NPRI
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Ethyl chloroformate	X
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Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Prepared By Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Issuing Date 26-Aug-2010

Revision Date

Revision Note No information available

General Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

Issuing Date 07-Aug-2007

Revision Date 21-Dec-2010

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name Hexaethyl Guanidinium Chloride

Synonyms HeGCl

Pure substance/preparation Preparation

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Chemical intermediate

Uses advised against No information available

Details of the supplier of the safety data sheet

Company

VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094, USA
Telephone: 716-433-6764

For further information, please contact

E-mail Address sales@vdmchemical.com

Emergency telephone number

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

Emergency Telephone \$45 - (EC)1272/2008

Europe 112

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Classification

For the full text of the R-phrases mentioned in this Section, see Section 16

Xn;R22 Xi;R36/37/38 R52/53

Most Important Hazards

Harmful if swallowed

Irritating to eyes, respiratory system and skin

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Label Elements

Xn

**Indication of danger**

Xn - Harmful

R-phrases(s)

R22 - Harmful if swallowed

R36/37/38 - Irritating to eyes, respiratory system and skin

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrases(s)

S23 - Do not breathe gas/fumes/vapor/spray

S60 - This material and its container must be disposed of as hazardous waste

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Caution - this preparation contains a substance not yet fully tested

Contains Hexaethyl guanidinium chloride.

Other information

Caution - this preparation contains a substance not yet fully tested. May cause adverse effects on health by chronic exposure.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Nature of the Preparation Aqueous solution of organic and inorganic salts.

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Water	231-791-2	7732-18-5	45-65	-	-	No data available
Hexaethyl guanidinium chloride	Not yet assigned	69082-76-4	30-40	Xn;R22 Xi;R36/37/38 R52/53	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)	No data available
Sodium chloride (NaCl)	231-598-3	7647-14-5	5-15	-		No data available

For the full text of the R-phrases mentioned in this Section, see Section 16**For the full text of the H-Statements mentioned in this Section, see Section 16**

4. FIRST AID MEASURES

Description of first-aid measures**General Advice**

Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.
Ingestion	Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician or Poison Control Center immediately.
Inhalation	Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. Artificial respiration and/or oxygen may be necessary. If symptoms persist, call a physician.
Protection of First-aiders	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects No information available.

Indication of immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

No information available.

Special hazards arising from the substance or mixture**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Hydrogen chloride gas, nitrogen oxides (NOx).

Advice for firefighters**Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures**Personal Precautions**

Use personal protective equipment. Ensure adequate ventilation. Do not touch or walk through spilled material. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other Information

Refer to protective measures listed in Sections 7 and 8.

Environmental precautions**Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.

Methods and materials for containment and cleaning up**Methods for Cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

Reference to other sections**Other information**

See Section 12 for additional information.

7. HANDLING AND STORAGE**Precautions for Safe Handling****Handling**

Wear personal protective equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities**Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep away from heat and sources of ignition. Keep away from direct sunlight. Store at room temperature. Shelf life 60 months.

Specific End Use(s)

Exposure Scenario No information available.

Other Guidelines No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Control parameters**

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

Exposure controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Personal protective equipment

Eye Protection Tightly fitting safety goggles.
Skin and Body Protection Long sleeved clothing. Apron. Impervious gloves.
Hand Protection Neoprene gloves
Respiratory Protection In case of insufficient ventilation wear suitable respiratory equipment. Breathing apparatus with filter

Hygiene Measures When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Remove and wash contaminated clothing before re-use. Keep away from food, drink and animal feeding stuffs. Wash hands and face before breaks and immediately after handling the product

Environmental Exposure Controls Do not allow material to contaminate ground water system. Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State	Liquid	Appearance	Clear, amber colored
Odor	Slight		

Property	Values	Remarks/ Method
pH	6-9	None known
Melting Point/Range	175°C / 347°F	None known
Boiling Point/Range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Soluble in water.	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known

Explosive Properties	No information available
Oxidizing Properties	No information available

Other information	
VOC Content (%)	No information available

10. STABILITY AND REACTIVITY

Reactivity

Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Hazardous Polymerization

No information available.

Hazardous Reactions

No information available

Conditions to Avoid

Extremes of temperature and direct sunlight.

Materials to Avoid

Strong acids. Strong bases.

Hazardous Decomposition Products

Decomposes in alkaline solution. Thermal decomposition can lead to release of toxic/corrosive gases and vapors.
Hazardous Decomposition Products: Tetraethylurea. Diethylamine. Nitrous vapors. Hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity

Product Information	Product is harmful by ingestion.
Inhalation	There is no data available for this product.
Eye Contact	There is no data available for this product.
Skin Contact	There is no data available for this product.
Ingestion	There is no data available for this product.
LD50 Oral:	1400 mg/kg (rat)
Component Information	Caution - this preparation contains a substance not yet fully tested

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium chloride (NaCl)	3 g/kg (Rat)	10 g/kg (Rabbit)	42 g/m ³ (Rat) 1 h
Water	90 mL/kg (Rat)		

Chronic Toxicity

Sensitization	No information available.
Target Organ Effects	No information available.
Endocrine Disruptor Information	This product does not contain any known or suspected endocrine disruptors.

12. ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity Effects	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The environmental impact of this product has not been fully investigated. Evaluation based on data from a similar compound, HeGBr
----------------------------	--

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Sodium chloride (NaCl)	N/A	LC50: 5560-6080 mg/L Lepomis macrochirus 96 h flow-through LC50: 12946 mg/L Lepomis macrochirus 96 h static LC50: 6020-7070 mg/L Pimephales promelas 96 h static LC50: 7050 mg/L Pimephales promelas 96 h semi-static LC50: 6420-6700 mg/L Pimephales promelas 96 h static LC50: 4747-7824 mg/L Oncorhynchus mykiss 96 h flow-through	N/A	EC50: 1000 mg/L Daphnia magna 48 h EC50: 340.7 - 469.2 mg/L Daphnia magna 48 h Static

Persistence and degradability

Product is not biodegradable.

Bioaccumulative potential.

Product has a low potential to bioconcentrate

Mobility

The product is water soluble, and may spread in water systems.

Results of PBT and vPvB assessment

Other adverse effects

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Waste from Residues/Unused Products**

Waste is classified as hazardous. Should not be released into the environment. Dispose of in accordance with local regulations.

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION**IMDG/IMO**

Not regulated

RID

Not regulated

ADR

Not regulated

ICAO

Not regulated

IATA

Not regulated

15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Take note of Dir 94/33/EC on the protection of young people at work. Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

International Inventories

All of the components in the product are on the following inventory lists: U.S.A. (TSCA), Canada (DSL/NDSL), China (IECSC), The EEC inventory status for this product has not yet been established, The classification and labelling information in this Safety Data Sheet should be viewed as provisional.

TSCA
EINECS/ELINCS
DSL/NDSL
PICCS
ENCS
IECSC
AICS
KECL

Complies
Does not comply
Listed on NDSL
Does not comply
Does not comply
Complies
Does not comply
Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

Chemical Safety Assessment

No information available

16. OTHER INFORMATION**Full text of R-phrases referred to under Sections 2 and 3**

R22 - Harmful if swallowed
R36/37/38 - Irritating to eyes, respiratory system and skin
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Full text of H-Statements referred to under sections 2 and 3

H335 - May cause respiratory irritation
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H412 - Harmful to aquatic life with long lasting effects






Issuing Date	07-Aug-2007
Revision Date	21-Dec-2010
Revision Note	Update to Format.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Safety Data Sheet

Hazard Symbols	Personal Protective Equipment	Symbol(s)
 	 	

Issuing Date 23 February 2011

Revision Date

Revision Number 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name Hydrochloric Acid

UN-No UN1789

Recommended Use Intermediate

Contact Manufacturer
VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094, USA
Telephone: 716-433-6764

Emergency Telephone Number 716-433-6764 or CHEMTREC 1-800-424-9300 (NORTH AMERICA)

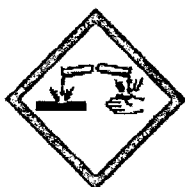
E-mail Address No information available

Registration number No information available

2. HAZARDS IDENTIFICATION

GHS-Classification

Signal Word Danger

**Hazard Statements**

- Harmful if swallowed
- Causes severe skin burns and eye damage
- Causes serious eye damage
- May cause respiratory irritation

Acute oral toxicity	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Specific target organ systemic toxicity (single exposure)	Category 3

Physical Hazards**Precautionary Statements**

- Wear protective gloves/protective clothing/eye protection/face protection
- Avoid breathing dust/fume/gas/mist/vapours/spray
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Use only outdoors or in a well-ventilated area
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTRE or doctor/physician
- IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
- Call a POISON CENTRE or doctor/physician if you feel unwell
- IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician
- Rinse mouth
- Store in a well-ventilated place. Keep container tightly closed
- Store locked up
- Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous Components**

Chemical Name	CAS-No	Weight %	EC-No
Water	7789-20-0	65	EEC No. 232-148-9
Hydrogen chloride	7698-05-7	35	EEC No. 231-715-8

**Deuterium chloride is a non-radioactive isotopologue of Hydrogen chloride (CAS #7647-01-0). Regulatory information is included where applicable for hydrogen chloride.

4. FIRST AID MEASURES

General Advice	Call 211 or emergency medical service. Remove and isolate contaminated clothing and shoes.
Eye Contact	Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician if necessary.
Inhalation	Move victim to fresh air. If breathing has stopped, contact emergency medical services immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.
Ingestion	Immediate medical attention is required. Remove from exposure, lie down. Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or poison control centre immediately.
Notes to physician	Keep victim warm and quiet. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.
Protection of First-aiders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

5. FYRE-FIGHTING MEASURES

Flammable Properties

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Contact with metals may evolve flammable deuterium gas.

Suitable Extinguishing Media

CO₂(except for cyanides), dry chemical, dry sand, alcohol-resistant foam. Use water spray or fog; do not use straight streams. Dike fire control water for later disposal; do not scatter the material. Move containers from fire area if you can do it without risk.

Extinguishing media which must not be used for safety reasons

Note: Most foams will react with the material and release corrosive/toxic gases.

Specific hazards arising from the chemical

Vapors may accumulate in confined areas (basement, tanks, hopper/tank cars, etc.). Substance will react with water (some violently), releasing corrosive and/or toxic gases.. Reaction with water may generate much heat which will increase the concentration of fumes in the air.. Containers may explode when heated or if contaminated with water.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if you can do it without risk.
Environmental Precautions	Prevent entry into waterways, sewers, basements or confined areas. Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material.
Methods for containment	Dike far ahead of spill; use dry sand to contain the flow of material.
Methods for Cleaning Up	Neutralize with soda ash (sodium carbonate) or lime over area of spill. Take up with sand or other noncombustible absorbent material and place into containers for later disposal. Clean contaminated surface thoroughly. After cleaning, flush away traces with water. Prevent product from entering drains.

Other Information Wear personal protective equipment. Refer to protective measures listed in sections 7 and 8.

7. HANDLING AND STORAGE

Handling Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep in properly labelled containers.

Incompatible products Incompatible with strong acids and bases. Incompatible with oxidizing agents. Metal oxides. Amines. Cyanides. Sulfites. formaldehyde. Hydroxides.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	Ontario TWAEV	EU
Hydrogen chloride	Ceiling: 2 ppm	(vacated) Ceiling: 5 ppm (vacated) Ceiling: 7 mg/m ³ Ceiling: 5 ppm Ceiling: 7 mg/m ³	CEV: 2 ppm	TWA: 5 ppm TWA: 8 mg/m ³ STEL: 10 ppm STEL: 15 mg/m ³

Chemical Name	China	Japan	Korea	ES-TWA
Hydrogen chloride	Ceiling: 7.5 mg/m ³	Ceiling: 5 ppm Ceiling: 7.5 mg/m ³	STEL: 2 ppm STEL: 3 mg/m ³ TWA: 1 ppm TWA: 1.5 mg/m ³	

Engineering measures Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Eye/face protection Tightly fitting safety goggles. Face-shield.

Skin and Body Protection Impervious clothing, Impervious gloves, Chemical resistant apron.

Respiratory Protection No protective equipment is needed under normal use conditions. In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. For environmental protection, remove and wash all contaminated protective equipment before re-use. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	liquid
Appearance	Colourless to faint yellow
Odour	strong acidic
Odour Threshold	No information available
pH	No data available
Melting Point/Range	No data available
Freezing Point	No information available
Initial Boiling Point	No information available
Boiling Point/Range	230°F
Flash Point	not determined
Evaporation Rate	No data available
Flammable Properties	Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Contact with metals may evolve flammable deuterium gas.
Flammability Limits in Air	Upper no data available Lower no data available
Explosive Properties	No information available
Oxidising Properties	No information available
Vapour Pressure	760 mmHg @ 230°F
Vapour Density	No data available
Specific Gravity	no data available
Density	1.26 g/cm ³ @ 20°C
Water Solubility	Liquid
Solubility	No information available
Partition Coefficient: n-octanol/water	no data available
Autoignition Temperature	No data available
Decomposition Temperature °C	No information available
Viscosity	No information available

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Conditions to Avoid	Excessive heat.
Incompatible products	Incompatible with strong acids and bases. Incompatible with oxidizing agents. Metal oxides. Amines. Cyanides. Sulfites. formaldehyde. Hydroxides.
Hazardous decomposition products	Thermal decomposition can lead to release of irritating gases and vapours.
Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information

Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydrogen chloride	700 mg/kg (Rat)	5010 mg/kg (Rabbit)	3124 ppm (Rat) 1 h

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product

Irritation	Corrosive to eyes. Corrosive to skin.
Corrosivity	This product is corrosive to living tissue.
Sensitisation	May cause sensitisation of susceptible persons.
Neurological Effects	No information available
Mutagenic Effects	No information available.
Reproductive toxicity	No information available
Developmental Toxicity	No information available
Target Organ Effects	Respiratory system, Eyes, Skin.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Toxic to aquatic life.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia magna (Water flea)
Hydrogen chloride		LC50= 282 mg/L <i>Gambusia affinis</i> 96 h		

Persistence and Degradability	Product is not biodegradable.
Bioaccumulation	No information available
Mobility	No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).
Contaminated Packaging	Do not re-use empty containers.
US EIA Waste Number	D002

14. TRANSPORT INFORMATION**IMDG/IMO**

Proper Shipping Name	Hydrochloric acid
Hazard Class	8
UN-No	UN1789
Packing Group	II
EmS	F-A, S-B
Description	UN1789, Hydrochloric acid,8,PG II

ICAO

UN-No	UN1789
Proper Shipping Name	Hydrochloric acid
Hazard Class	8
Packing Group	II
Description	Hydrochloric acid,8,UN1789,PG II

IATA

UN-No	UN1789
Proper Shipping Name	Hydrochloric acid
Hazard Class	8
Packing Group	II
ERG Code	8L
Description	UN1789,Hydrochloric acid,8,PG II

DOT

Proper shipping name	Hydrochloric acid
Hazard Class	8
UN-No	UN1789
Packing group	II
Description	UN1789,Hydrochloric acid,8,,PG II

TDG

Proper shipping name	Hydrochloric acid
Hazard Class	8
UN-No	UN1789
Packing group	II
Description	HYDROCHLORIC ACID,8,UN1789,PG II

MEX

Proper shipping name	Hydrochloric acid
Hazard Class	8
UN-No	UN1789
Packing group	II
Description	UN1789 Hydrochloric acid,8,II

RID

Proper Shipping Name	Hydrochloric acid
Hazard Class	8
UN-No	UN1789
Packing Group	II
Classification Code	C1
Description	UN1789 Hydrochloric acid,8,II,RID
ADR/RID-Labels	8

ADR

Proper Shipping Name Hydrochloric acid
Hazard Class 8
UN-No UN1789
Packing Group II
Classification Code C1
Description UN1789 Hydrochloric acid,8,II

ADN

Proper shipping name Hydrochloric acid
Hazard Class 8
Packing group II
Classification Code C1
Special Provisions 520
Description UN1789 Hydrochloric acid,8,II
Hazard Labels 8
Limited quantity LQ22

15. REGULATORY INFORMATION**International Inventories**

TSCA Complies
EINECS/ELINCS Complies
DSL/NDSL Complies
PICCS Complies
ENCS Complies
IECSC Complies
AICS Complies
KECL Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

REACH Title VII Restrictions No information available

Industrial Safety and Health Law:

Chemical Name	Dangerous Substances	Organic Solvents	Harmful Substances Whose Names Are to be Indicated on the Label	Pollution Release and Transfer Registry (Class II):	Pollution Release and Transfer Registry (Class I):	Poison and Deleterious Substances Control Law:
Hydrogen chloride	>=>0.1 % weight	Not applicable	Not applicable	Not applicable	Not applicable	Deleterious

Chemical Name	ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying	ISHA - Harmful Substances Requiring Permission	Toxic Chemical Classification Listing (TCCL) - Toxic Chemicals	Toxic Release Inventory (TRI) - Group I	Toxic Release Inventory (TRI) - Group II
Hydrogen chloride	Not applicable	Not applicable	Not applicable	Not applicable	>= 1.0 %

16. OTHER INFORMATION

Issuing Date 23 February 2011

Revision Date

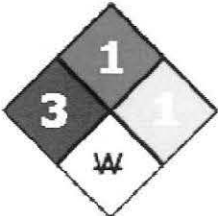


Revision Note No information available

Recommended Restrictions No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>3*</td></tr><tr><td>Fire Hazard</td><td>0</td></tr><tr><td>Reactivity</td><td>1</td></tr></table>	Health Hazard	3*	Fire Hazard	0	Reactivity	1		
Health Hazard	3*								
Fire Hazard	0								
Reactivity	1								

Issuing Date 13-Feb-2008

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Lauroyl Chloride

UN-No UN3265

Synonyms Dodecanoyl chloride

Recommended Use Chemical intermediate.

Supplier Address

VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094
Telephone: 716 433-6764

Company Emergency Phone Number 716-433-6764

Emergency Telephone Number Chemtrec: 1-800-424-9300 for US/ 703-527-3887 outside US

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Corrosive

The product causes burns of eyes, skin and mucous membranes
Harmful by inhalation, in contact with skin and if swallowed

Appearance Clear

Physical State Slurry

Odor Piquant

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Acute Toxicity
Eyes

Avoid contact with eyes. Causes burns. Corrosive to the eyes and may cause severe damage including blindness. Risk of serious damage to eyes.

Skin	Avoid contact with skin and clothing. Causes burns.
Inhalation	Avoid breathing vapors or mists. Harmful by inhalation. Irritating to respiratory system. Causes burns.
Ingestion	Ingestion causes burns of the upper digestive and respiratory tract. Can burn mouth, throat, and stomach. Harmful if swallowed.
Chronic Effects	Avoid repeated exposure. Possible risks of irreversible effects.
Aggravated Medical Conditions	Respiratory disorders. Skin disorders.
Environmental Hazard	See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Dodecanoyl chloride	112-16-3	60-100

4. FIRST AID MEASURES

General Advice	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
Eye Contact	Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.
Skin Contact	Immediate medical attention is required. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Inhalation	Move to fresh air. Call a physician or Poison Control Center immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion	Immediate medical attention is required. Do not induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water. Call a physician or Poison Control Center immediately.
Notes to Physician	Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.
Protection of First-aiders	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Combustible liquid.
Flash Point	> 130°C / > 266°F
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO ₂). Dry powder. Dry chemical.
Explosion Data	
Sensitivity to mechanical impact	None
Sensitivity to static discharge	None

Specific Hazards Arising from the Chemical	The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.			
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear			
<u>NFPA</u>	Health Hazard 3	Flammability 1	Stability 0	Physical and Chemical Hazards W
<u>HMIS</u>	Health Hazard 3*	Flammability 1	Stability 0	Personal Precautions D

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Evacuate personnel to safe areas. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak.
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains. Dam up. After cleaning, flush away traces with water.
Other Information	Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery.
Storage	Keep container tightly closed in a dry and well-ventilated place. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	Showers Eyewash stations Ventilation systems
<u>Personal Protective Equipment</u>	
Eye/Face Protection	Tightly fitting safety goggles. Face-shield.
Skin and Body Protection	Wear protective gloves/clothing.
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear	Odor	Piquant
Odor Threshold	No information available	Physical State	Slurry
pH	Not applicable		
Flash Point	> 130°C / > 266°F	Autoignition Temperature	No information available
Decomposition Temperature	No information available	Boiling Point/Range	134-137°C / 273.2- 278.6°F
Melting Point/Range	No information available		
Flammability Limits in Air	No information available	Explosion Limits	No information available
Specific Gravity	0.946 @20 °C	Solubility	No information available
Evaporation Rate	No information available	Vapor Pressure	0.01 mmHg
Vapor Density	-0.33 (air=1)	VOC Content	Not applicable

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Incompatible Products	Water. Incompatible with oxidizing agents. Bases. Alcohols.
Conditions to Avoid	Exposure to air or moisture over prolonged periods. Protect from water.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors. Hydrogen chloride. Carbon monoxide (CO). Carbon dioxide (CO ₂).
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information	.
Irritation	Causes severe irritation and or burns.
LD50 Oral VALUE (mg/kg)	4000 mg/kg (rat)

Chronic Toxicity

Chronic Toxicity	Avoid repeated exposure. Possible risks of irreversible effects.
Target Organ Effects	Skin, Eyes, Respiratory system.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Should not be released into the environment. Dispose of in accordance with local regulations.

Contaminated Packaging Do not re-use empty containers.

US EPA Waste Number D002

14. TRANSPORT INFORMATION**DOT**

Proper Shipping Name Corrosive liquid, acidic, organic, n.o.s.
Hazard Class 8
UN-No UN3265
Packing Group II
Description Corrosive liquid, acidic, organic, n.o.s.(Dodecanoyl chloride),8,UN3265,PG II

TDG

Proper Shipping Name Corrosive liquid, acidic, organic, n.o.s.
Hazard Class 8
UN-No UN3265
Packing Group II
Description CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.(Dodecanoyl chloride),8,UN3265,PG II

MEX

Proper Shipping Name Corrosive liquid, acidic, organic, n.o.s.
Hazard Class 8
UN-No UN3265
Packing Group II
Description UN3265 Corrosive liquid, acidic, organic, n.o.s.(Dodecanoyl chloride),8,II

ICAO

UN-No UN3265
Proper Shipping Name Corrosive liquid, acidic, organic, n.o.s.
Hazard Class 8
Packing Group II
Description Corrosive liquid, acidic, organic, n.o.s.(Dodecanoyl chloride),8,UN3265,PG II

IATA

UN-No UN3265
Proper Shipping Name Corrosive liquid, acidic, organic, n.o.s.
Hazard Class 8
Packing Group II
ERG Code 8L
Description UN3265,Corrosive liquid, acidic, organic, n.o.s.(Dodecanoyl chloride),8,PG II

14. TRANSPORT INFORMATION**IMDG/IMO**

Proper Shipping Name	Corrosive liquid, acidic, organic, n.o.s.
Hazard Class	8
Subsidiary Class	+
UN-No	UN3265
Packing Group	II
EmS No.	F-A, S-B
Description	UN3265, Corrosive liquid, acidic, organic, n.o.s.(Dodecanoyl chloride),8(+),PG II

RID

Proper Shipping Name	Corrosive liquid, acidic, organic, n.o.s.
Hazard Class	8
UN-No	UN3265
Packing Group	II
Classification Code	C3
Description	UN3265 Corrosive liquid, acidic, organic, n.o.s.(Dodecanoyl chloride),8,II,RID
ADR/RID-Labels	8

ADR

Proper Shipping Name	Corrosive liquid, acidic, organic, n.o.s.
Hazard Class	8
UN-No	UN3265
Packing Group	II
Classification Code	C3
Description	UN3265 Corrosive liquid, acidic, organic, n.o.s.(Dodecanoyl chloride),8,II

ADN

Proper Shipping Name	Corrosive liquid, acidic, organic, n.o.s.
Hazard Class	8
Packing Group	II
Classification Code	C3
Special Provisions	274
Description	UN3265 Corrosive liquid, acidic, organic, n.o.s.(Dodecanoyl chloride),8,II
Hazard Labels	8
Limited Quantity	LQ22

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	Yes

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations**International Regulations****Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

E Corrosive material

**16. OTHER INFORMATION**

Issuing Date 13-Feb-2008

Revision Date

Revision Note No information available

Disclaimer

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End of MSDS

Issuing Date 12-Apr-2010

Revision Date 16-Jun-2010

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Pentyl Chloroformate
UN-No UN2742
Recommended Use Intermediate
Synonyms Amyl Chloroformate

Supplier Address
 VanDeMark Chemical Inc.
 1 North Transit Road
 Lockport, NY 14094
 Telephone: 716 433-6764

Company Emergency Phone Number 716-433-6764

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Highly toxic
 Combustible
 Corrosive
 May be fatal if inhaled, absorbed through skin, or swallowed
 The product causes burns of eyes, skin and mucous membranes

Appearance Colorless to pale yellow

Physical State Liquid.

Odor Pungent

Potential Health Effects

Principle Routes of Exposure

Inhalation. Skin contact. Eye contact.

Acute Toxicity

Eyes

Corrosive to the eyes and may cause severe damage including blindness.

Skin

Corrosive to skin. Causes burns.

Inhalation

Toxic by inhalation. Causes burns. Aspiration may cause pulmonary edema and pneumonitis. Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate.

Ingestion

Toxic if swallowed. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking.

Chronic Effects

Avoid repeated exposure. Prolonged exposure may cause chronic effects. Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen.

Aggravated Medical Conditions

Skin disorders. Respiratory disorders. Lungs. Pre-existing eye disorders.

Environmental Hazard

See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Carbonochloridic acid, pentyl ester	638-41-5	>99

4. FIRST AID MEASURES

General Advice	Immediately call a POISON CENTER or doctor/physician.
Eye Contact	Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do not rub affected area.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use.
Inhalation	Move to fresh air in case of accidental inhalation of vapors or decomposition products. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek immediate medical attention/advice. Aspiration into lungs can produce severe lung damage.
Ingestion	Call a physician or Poison Control Center immediately. Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person.
Notes to Physician	Treat symptomatically. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure.
Protection of First-aiders	Use personal protective equipment. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Combustible liquid.
Flash Point	128.3°F / 53.5°C
Suitable Extinguishing Media	Carbon dioxide (CO ₂). Dry powder. Foam.
Unsuitable Extinguishing Media	DO NOT USE WATER.
Explosion Data	
Sensitivity to Mechanical Impact	No.
Sensitivity to Static Discharge	Yes.
Specific Hazards Arising from the Chemical	Thermal decomposition can lead to release of toxic and corrosive gases/vapors.
Protective Equipment and Precautions for Firefighters	Corrosive hazard. Wear protective gloves/clothing and eye/face protection. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA	Health Hazard 3	Flammability 2	Stability 1	Physical and Chemical Hazards N/A
HMIS	Health Hazard 3	Flammability 2	Physical Hazard 1	Personal Protection C

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Remove all sources of ignition. Take precautionary measures against static discharges. Use personal protective equipment. Avoid contact with skin, eyes and inhalation of vapors. Ensure adequate ventilation.
Environmental Precautions	Refer to protective measures listed in Sections 7 and 8. Prevent product from entering drains.
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Dam up. Soak up with inert absorbent material. Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Wear personal protective equipment. Do not breathe vapors or spray mist.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Handle under nitrogen and protect from moisture. Keep away from heat and sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	Showers Eyewash stations Ventilation systems
Personal Protective Equipment	
Eye/Face Protection	Tightly fitting safety goggles. Face-shield.
Skin and Body Protection	Impervious gloves. Chemical resistant apron. Long sleeved clothing.
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless to pale yellow.	Odor	Pungent.
Odor Threshold	No information available.	Physical State	Liquid
pH	No information available		
Flash Point	128.3°F / 53.5°C	Autoignition Temperature	265°C
Decomposition Temperature	No information available	Boiling Point/Range	60-62°C @ 15 mbar
Melting Point/Range	No information available		
Flammability Limits in Air	No information available	Explosion Limits	No information available
Solubility	No information available	Evaporation Rate	No information available
Vapor Pressure	3 mbar @ 25°C	Vapor Density	No data available
Liquid Density	1.032 @ 20°C	VOC Content (%)	100

10. STABILITY AND REACTIVITY

Stability	Decomposes in contact with water.
Incompatible Products	Strong oxidizing agents. Bases. Alcohols. Amines.
Conditions to Avoid	Exposure to air or moisture over prolonged periods. Extremes of temperature and direct sunlight.
Hazardous Decomposition Products	Carbon oxides. Hydrogen chloride. Halogenated compounds.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity**

Product Information	May be fatal if inhaled, absorbed through skin, or swallowed.
Inhalation	Toxic by inhalation. Inhalation may cause severe respiratory irritation and pulmonary edema.
Eye Contact	Corrosive to the eyes and may cause severe damage including blindness.
Skin Contact	Corrosive. Causes burns.
Ingestion	Toxic if swallowed.

Chronic Toxicity

Chronic Toxicity	Avoid repeated exposure. Prolonged exposure may cause chronic effects. Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen.
Target Organ Effects	Skin. Eyes. Respiratory system.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).
Contaminated Packaging	Do not re-use empty containers.
US EPA Waste Number	D001 D002
California Hazardous Waste Codes	211

14. TRANSPORT INFORMATION**DOT**

UN-No	UN2742
Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
Packing Group	II
Special Provisions	5, IB1, T7, TP2
Description	UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s. (Pentyl Chloroformate), 6.1(8,3), PG II
Emergency Response Guide Number	155

TDG

UN-No	UN2742
Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
Subsidiary Class	3, 8
Packing Group	II
Special Provisions	None
Description	UN2742, CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S., 6.1(3, 8), PG II

MEX

UN-No	UN2742
Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
Subsidiary Class	3, 8
Special Provisions	None
Packing Group	II
Description	UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s., 6.1(3, 8), II

ICAO

UN-No	UN2742
Proper Shipping Name	Chloroformates, toxio, corrosive, flammable, n.o.s.
Hazard Class	6.1
Subsidiary Class	3, 8
Packing Group	II

14. TRANSPORT INFORMATION

Special Provisions	None
Description	UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s., 6.1(3, 8), PG II

IATA

UN-No	UN2742
Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
Subsidiary Class	3, 8
Packing Group	II
ERG Code	6CF
Special Provisions	None
Description	UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s., 6.1(3, 8), PG II

IMDG/IMO

UN-No	UN2742
Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
Subsidiary Class	3, 8
Packing Group	II
EmS No.	F-E, S-C
Special Provisions	None
Description	UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s., 6.1(3, 8), PG II

RID

UN-No	UN2742
Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
Packing Group	II
Classification Code	TFC
Special Provisions	274, 561
Description	UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s. (Pentyl Chloroformate), 6.1(3, 8), II
ADR/RID-Labels	6.1 + 3 + 8

ADR

UN-No	UN2742
Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
Packing Group	II
Classification Code	TFC
Special Provisions	274, 561
Description	UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s. (Pentyl Chloroformate), 6.1(3, 8), II
ADR/RID-Labels	6.1 + 3 + 8

ADN

UN-No	UN2742
Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
Packing Group	II
Classification Code	TFC
Special Provisions	274, 561, 802
Description	UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s. (Pentyl Chloroformate), 6.1(3, 8), II
Hazard Labels	6.1 + 3 + 8
Limited Quantity	LQ17
Ventilation	VE01, VE02

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL	Not determined
NDSL	Complies
EINECS	Complies
ELINCS	Complies
ENCS	Not determined
IECSC	Not determined
KECL	Not determined
PICCS	Complies
AICS	Not determined

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

International Regulations

Mexico - Grade Serious risk, Grade 3

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B3 Combustible liquid

E Corrosive material

**16. OTHER INFORMATION****Prepared By**

Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Issuing Date

12-Apr-2010

Revision Date

16-Jun-2010

Revision Note

Initial Release.

General Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The Information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

Section 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Name of the substance Phenyl Chloroformate
Identification number 1885-14-9
Registration number -
Synonyms None.
Date of first issue 21-February-2012
Version number 01
Revision date -
Supersedes date -

Relevant identified uses of the substance or mixture and uses advised against

Identified uses Industrial chemical.
Uses advised against None known.

Details of the supplier of the safety data sheet

Supplier

Company name VanDeMark Chemical Inc.
Address 1 North Transit Road, Lockport, NY 14094, USA
Telephone +1 716-433-6764
Contact person Not available.
Emergency telephone +1-703-527-3887, International

Section 2: Hazards identification

Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification T+;R26, C;R34, Xn;R22

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Acute toxicity, oral	Category 4	Harmful if swallowed.
Acute toxicity, inhalation	Category 2	Fatal if inhaled.
Skin corrosion/irritation	Category 1	Causes severe skin burns and eye damage.

Hazard summary

Physical hazards Not classified for physical hazards.
Health hazards Harmful if swallowed. Very toxic by inhalation. Causes burns.
Environmental hazards Not classified for hazards to the environment.
Specific hazards Corrosive. Prolonged contact causes serious eye and tissue damage. Inhalation of vapour or mist may cause lung oedema. Ingestion: May have a corrosive effect on the digestive canal.
Main symptoms Extreme irritation of eyes and mucous membranes, including burning and tearing. May cause severe irritation or burns to the eyes, skin, gastrointestinal tract, and respiratory system.

Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Phenyl chloroformate
Identification number 1885-14-9



Signal word Danger

Hazard statements	Harmful if swallowed. Fatal if inhaled. Causes severe skin burns and eye damage.
Precautionary statements	
Prevention	Do not breathe mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when using this product.
Response	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTRE or doctor/physician.
Storage	Keep container tightly closed.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information	None.
Other hazards	None known.

Section 3: Composition/information on ingredients

Substance

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Phenyl chloroformate	99 - 100	1885-14-9 217-547-8	-	-	
Classification:	DSD: T+;R26, C;R34, Xn;R22 CLP: Acute Tox. 4;H302, Skin Corr. 1;H314, Acute Tox. 2;H330				

DSD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The full text for all R- and H-phrases is displayed in section 16.

Section 4: First aid measures

General information

Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

Description of first aid measures

Inhalation	Immediately remove from further exposure. Get immediate medical assistance. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Give supplemental oxygen, if available. If breathing has stopped, assist ventilation with a mechanical device.
Skin contact	Immediately remove contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately. Chemical burns must be treated by a physician.
Eye contact	Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. Continue to rinse.
Ingestion	Immediately rinse mouth and drink plenty of water. Keep victim under observation. Do not induce vomiting. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed Corrosive effects. Extreme irritation of eyes and mucous membranes, including burning and tearing. Itching, redness, burning of skin. Vapours may cause drowsiness and dizziness.

Indication of any immediate medical attention and special treatment needed Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure.

Section 5: Firefighting measures

General fire hazards

The product is combustible, and heating may generate vapours which may form explosive vapour/air mixtures.

Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Water.

Special hazards arising from the substance or mixture

The product reacts with water and will generate heat. Produce toxic and/or corrosive substances on contact with water. By heating and fire, toxic vapours/gases may be formed. Vapours may form explosive mixtures with air.

Advice for firefighters

Special protective equipment for firefighters

Self-contained breathing apparatus and full protective clothing should be worn when fighting chemical fires. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

Special firefighting procedures

Move containers from fire area if you can do so without risk. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply. Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Evacuate area. Eliminate all sources of ignition. Keep upwind. Avoid inhalation of vapours and spray mists. Avoid contact with skin and eyes. Wear suitable protective clothing. For personal protection, see section 8.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

Environmental precautions

Do not discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Remove sources of ignition. Absorb spillage with non-combustible, absorbent material.

Reference to other sections

See Section 8 for personal protective equipment. For waste disposal, see section 13.

Section 7: Handling and storage

Precautions for safe handling

All handling to take place in well-ventilated area. Use explosion-proof ventilation equipment. Avoid inhalation of vapours and spray mist and contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Provide adequate ventilation. Keep away from heat, sparks and open flame. Keep container tightly closed. Store away from incompatible materials.

Specific end use(s)

Industrial chemical.

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures

Follow standard monitoring procedures.

DNEL

Not available.

PNEC

Not available.

Exposure controls

Appropriate engineering controls

Should be handled in closed systems, if possible. Provide adequate ventilation. Local ventilation should be provided. Provide easy access to water supply or an emergency shower.

Individual protection measures, such as personal protective equipment

General information

Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection

Wear tight-fitting goggles or face shield.

Skin protection

- Hand protection

Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. In full contact: Glove material: Viton. Layer thickness: 0,7 mm Breakthrough time: > 480 min. Suitable gloves can be recommended by the glove supplier.

- Other

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Respiratory protection

Wear suitable respiratory protection. Use respiratory equipment with gas filter, type A2.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls

Contain spills and prevent releases and observe national regulations on emissions.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Clear liquid.

Physical state

Liquid.

Form

Liquid.

Colour	Clear.
Odour	Pungent.
Odour threshold	Not available.
pH	Not applicable.
Melting point/freezing point	-38 °C (-36,4 °F)
Boiling point, initial boiling point, and boiling range	75 °C (167 °F) (13 mmHg)
Flash point	77 °C (170,6 °F)
Auto-ignition temperature	Not applicable.
Flammability (solid, gas)	Not applicable.
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Oxidising properties	Not available.
Explosive properties	Not available.
Explosive limit	Not available.
Vapour pressure	< 1 mm Hg (20 °C)
Vapour density	Not available.
Evaporation rate	Not available.
Relative density	Not available.
Relative density temperature	1,248 (20 °C)
Solubility (water)	Reacts with water.
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Percent volatile	Not available.
Other data	
Molecular formula	C7H5ClO2
Other information	No relevant additional information available.

Section 10: Stability and reactivity

Reactivity	Material reacts with water.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Decomposes in the presence of water. Decomposes on heating.
Conditions to avoid	Heat, flames and sparks. Moisture.
Incompatible materials	Strong oxidising agents. Water. Acids. Amines. Alcohols.
Hazardous decomposition products	Carbon oxides. Hydrogen chloride. Phenol.

Section 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure	
Ingestion	May cause burns in mucous membranes, throat, oesophagus and stomach.
Inhalation	Can cause severe respiratory irritation. Inhalation of vapour or mist may cause lung oedema. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure.
Skin contact	Causes skin burns.
Eye contact	Corrosive. Prolonged contact causes serious eye and tissue damage.
Symptoms	Corrosive effects. Extreme irritation of eyes and mucous membranes, including burning and tearing. Itching, redness, burning of skin. Vapours may cause drowsiness and dizziness. Shortness of breath.

Information on toxicological effects

Acute toxicity Fatal if inhaled. Harmful if swallowed.

Product	Test results
Phenyl chloroformate (1885-14-9)	Acute Dermal LD50 Rabbit: 3970 ul/kg Acute Oral LD50 Rat: 1410 ul/kg
Skin corrosion/irritation	Causes skin burns.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory sensitisation	No data available.
Skin sensitisation	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	No data available.
Reproductive toxicity	No data available.
Specific target organ toxicity - single exposure	No data available.
Specific target organ toxicity - repeated exposure	No data available.
Aspiration hazard	No data available.
Mixture versus substance information	Not available.
Other information	Not available.

Section 12: Ecological information

Toxicity

Product	Test results
Phenyl chloroformate (1885-14-9)	LC50 Leuciscus idus: 10 - 22 mg/l 96 hours
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility	No data available.
Environmental fate - Partition coefficient	Not available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	No data available.
Other adverse effects	Harmful to aquatic life.

Section 13: Disposal considerations

Waste treatment methods

Residual waste	Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the ground.
Contaminated packaging	Since emptied containers retain product residue, follow label warnings even after container is emptied.
EU waste code	16 03 05* Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: Transport information

ADR

UN number	UN2746
UN proper shipping name	PHENYL CHLOROFORMATE
Transport hazard class(es)	6.1
Subsidiary class(es)	8
Packing group	II
Environmental hazards	No
Tunnel restriction code	D/E
Labels required	6.1 +8
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

RID

UN number UN2746
UN proper shipping name PHENYL CHLOROFORMATE
Transport hazard class(es) 6.1
Subsidiary class(es) 8
Packing group II
Environmental hazards No
Labels required 6.1+8
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

ADN

UN number UN2746
UN proper shipping name Phenyl Chloroformate
Transport hazard class(es) 6.1
Subsidiary class(es) 8
Packing group II
Environmental hazards No
Labels required 6.1+8
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number UN2746
UN proper shipping name Phenyl chloroformate
Transport hazard class(es) 6.1
Subsidiary class(es) 8
Packing group II
Environmental hazards No
ERG Code 6C
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number UN2746
UN proper shipping name PHENYL CHLOROFORMATE
Transport hazard class(es) 6.1
Subsidiary class(es) 8
Packing group II
Marine pollutant No
EmS No. F-A, S-B
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not relevant.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

- Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I**
Not listed.
- Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II**
Not listed.
- Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I**
Not listed.
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1**
Not listed.
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2**
Not listed.
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3**
Not listed.
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V**
Not listed.
- Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registry (EPER)**
Not listed.
- Regulation (EC) No. 1907/2006, REACH Article 59(1). Candidate List**
Not listed.

Other regulations	Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 as amended.
National regulations	Follow national regulation for work with chemical agents.
Chemical safety assessment	No Chemical Safety Assessment has been carried out.

Section 16: Other information

List of abbreviations	DNEL: Derived No-Effect Level. PNEC: Predicted No-Effect Concentration. PBT: Persistent, bioaccumulative and toxic. vPvB: Very Persistent and very Bioaccumulative.
References	Not available.
Information on evaluation method leading to the classification of mixture	The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
Full text of any statements or R-phrases and H-phrases under Sections 2 to 15	R22 Harmful if swallowed. R26 Very toxic by inhalation. R34 Causes burns. H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage. H330 - Fatal if inhaled.
Training information	Follow training instructions when handling this material.
Disclaimer	This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.
Issue date	21-February-2012
Revision date	21-February-2012
Print date	21-February-2012

Section 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Name of the substance Phenyl Chloroformate
Identification number 1885-14-9
Registration number -
Synonyms None.
Date of first issue 21-February-2012
Version number 01
Revision date -
Supersedes date -

Relevant identified uses of the substance or mixture and uses advised against

Identified uses Industrial chemical.
Uses advised against None known.

Details of the supplier of the safety data sheet

Supplier

Company name VanDeMark Chemical Inc.
Address 1 North Transit Road, Lockport, NY 14094, USA
Telephone +1 716-433-6764
Contact person Not available.
Emergency telephone +1-703-527-3887, International

Section 2: Hazards identification

Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification T+;R26, C;R34, Xn;R22

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Acute toxicity, oral	Category 4	Harmful if swallowed.
Acute toxicity, inhalation	Category 2	Fatal if inhaled.
Skin corrosion/irritation	Category 1	Causes severe skin burns and eye damage.

Hazard summary

Physical hazards Not classified for physical hazards.
Health hazards Harmful if swallowed. Very toxic by inhalation. Causes burns.
Environmental hazards Not classified for hazards to the environment.
Specific hazards Corrosive. Prolonged contact causes serious eye and tissue damage. Inhalation of vapour or mist may cause lung oedema. Ingestion: May have a corrosive effect on the digestive canal.
Main symptoms Extreme irritation of eyes and mucous membranes, including burning and tearing. May cause severe irritation or burns to the eyes, skin, gastrointestinal tract, and respiratory system.

Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Phenyl chloroformate
Identification number 1885-14-9



Signal word Danger

Hazard statements	Harmful if swallowed. Fatal if inhaled. Causes severe skin burns and eye damage.
Precautionary statements	
Prevention	Do not breathe mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when using this product.
Response	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTRE or doctor/physician.
Storage	Keep container tightly closed.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information	None.
Other hazards	None known.

Section 3: Composition/information on ingredients

Substance

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Phenyl chloroformate	99 - 100	1885-14-9 217-547-8	-	-	
Classification:	DSD: T+;R26, C;R34, Xn;R22				
	CLP: Acute Tox. 4;H302, Skin Corr. 1;H314, Acute Tox. 2;H330				

DSD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The full text for all R- and H-phrases is displayed in section 16.

Section 4: First aid measures

General information Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

Description of first aid measures

Inhalation	Immediately remove from further exposure. Get immediate medical assistance. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Give supplemental oxygen, if available. If breathing has stopped, assist ventilation with a mechanical device.
Skin contact	Immediately remove contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately. Chemical burns must be treated by a physician.
Eye contact	Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. Continue to rinse.
Ingestion	Immediately rinse mouth and drink plenty of water. Keep victim under observation. Do not induce vomiting. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed Corrosive effects. Extreme irritation of eyes and mucous membranes, including burning and tearing. Itching, redness, burning of skin. Vapours may cause drowsiness and dizziness.

Indication of any immediate medical attention and special treatment needed Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure.

Section 5: Firefighting measures

General fire hazards The product is combustible, and heating may generate vapours which may form explosive vapour/air mixtures.

Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Water.

Special hazards arising from the substance or mixture The product reacts with water and will generate heat. Produce toxic and/or corrosive substances on contact with water. By heating and fire, toxic vapours/gases may be formed. Vapours may form explosive mixtures with air.

Advice for firefighters

Special protective equipment for firefighters

Self-contained breathing apparatus and full protective clothing should be worn when fighting chemical fires. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

Special firefighting procedures

Move containers from fire area if you can do so without risk. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply. Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Evacuate area. Eliminate all sources of ignition. Keep upwind. Avoid inhalation of vapours and spray mists. Avoid contact with skin and eyes. Wear suitable protective clothing. For personal protection, see section 8.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

Environmental precautions

Do not discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Remove sources of ignition. Absorb spillage with non-combustible, absorbent material.

Reference to other sections

See Section 8 for personal protective equipment. For waste disposal, see section 13.

Section 7: Handling and storage

Precautions for safe handling

All handling to take place in well-ventilated area. Use explosion-proof ventilation equipment. Avoid inhalation of vapours and spray mist and contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Provide adequate ventilation. Keep away from heat, sparks and open flame. Keep container tightly closed. Store away from incompatible materials.

Specific end use(s)

Industrial chemical.

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures

Follow standard monitoring procedures.

DNEL

Not available.

PNEC

Not available.

Exposure controls

Appropriate engineering controls

Should be handled in closed systems, if possible. Provide adequate ventilation. Local ventilation should be provided. Provide easy access to water supply or an emergency shower.

Individual protection measures, such as personal protective equipment

General information

Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection

Wear tight-fitting goggles or face shield.

Skin protection

- Hand protection

Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. In full contact: Glove material: Viton. Layer thickness: 0,7 mm Breakthrough time: > 480 min. Suitable gloves can be recommended by the glove supplier.

- Other

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Respiratory protection

Wear suitable respiratory protection. Use respiratory equipment with gas filter, type A2.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls

Contain spills and prevent releases and observe national regulations on emissions.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Clear liquid.

Physical state

Liquid.

Form

Liquid.

Colour	Clear.
Odour	Pungent.
Odour threshold	Not available.
pH	Not applicable.
Melting point/freezing point	-38 °C (-36,4 °F)
Boiling point, initial boiling point, and boiling range	75 °C (167 °F) (13 mmHg)
Flash point	77 °C (170,6 °F)
Auto-ignition temperature	Not applicable.
Flammability (solid, gas)	Not applicable.
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Oxidising properties	Not available.
Explosive properties	Not available.
Explosive limit	Not available.
Vapour pressure	< 1 mm Hg (20 °C)
Vapour density	Not available.
Evaporation rate	Not available.
Relative density	Not available.
Relative density temperature	1,248 (20 °C)
Solubility (water)	Reacts with water.
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Percent volatile	Not available.
Other data	
Molecular formula	C7H5ClO2
Other information	No relevant additional information available.

Section 10: Stability and reactivity

Reactivity	Material reacts with water.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Decomposes in the presence of water. Decomposes on heating.
Conditions to avoid	Heat, flames and sparks. Moisture.
Incompatible materials	Strong oxidising agents. Water. Acids. Amines. Alcohols.
Hazardous decomposition products	Carbon oxides. Hydrogen chloride. Phenol.

Section 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure	
Ingestion	May cause burns in mucous membranes, throat, oesophagus and stomach.
Inhalation	Can cause severe respiratory irritation. Inhalation of vapour or mist may cause lung oedema. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure.
Skin contact	Causes skin burns.
Eye contact	Corrosive. Prolonged contact causes serious eye and tissue damage.
Symptoms	Corrosive effects. Extreme irritation of eyes and mucous membranes, including burning and tearing. Itching, redness, burning of skin. Vapours may cause drowsiness and dizziness. Shortness of breath.

Information on toxicological effects

Acute toxicity Fatal if inhaled. Harmful if swallowed.

Product	Test results
Phenyl chloroformate (1885-14-9)	Acute Dermal LD50 Rabbit: 3970 ul/kg Acute Oral LD50 Rat: 1410 ul/kg
Skin corrosion/irritation	Causes skin burns.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory sensitisation	No data available.
Skin sensitisation	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	No data available.
Reproductive toxicity	No data available.
Specific target organ toxicity - single exposure	No data available.
Specific target organ toxicity - repeated exposure	No data available.
Aspiration hazard	No data available.
Mixture versus substance information	Not available.
Other information	Not available.

Section 12: Ecological information

Toxicity

Product	Test results
Phenyl chloroformate (1885-14-9)	LC50 Leuciscus idus: 10 - 22 mg/l 96 hours
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility	No data available.
Environmental fate - Partition coefficient	Not available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	No data available.
Other adverse effects	Harmful to aquatic life.

Section 13: Disposal considerations

Waste treatment methods

Residual waste	Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the ground.
Contaminated packaging	Since emptied containers retain product residue, follow label warnings even after container is emptied.
EU waste code	16 03 05* Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: Transport information

ADR

UN number	UN2746
UN proper shipping name	PHENYL CHLOROFORMATE
Transport hazard class(es)	6.1
Subsidiary class(es)	8
Packing group	II
Environmental hazards	No
Tunnel restriction code	D/E
Labels required	6.1 +8
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

RID

UN number	UN2746
UN proper shipping name	PHENYL CHLOROFORMATE
Transport hazard class(es)	6.1
Subsidiary class(es)	8
Packing group	II
Environmental hazards	No
Labels required	6.1+8
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

ADN

UN number	UN2746
UN proper shipping name	Phenyl Chloroformate
Transport hazard class(es)	6.1
Subsidiary class(es)	8
Packing group	II
Environmental hazards	No
Labels required	6.1+8
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number	UN2746
UN proper shipping name	Phenyl chloroformate
Transport hazard class(es)	6.1
Subsidiary class(es)	8
Packing group	II
Environmental hazards	No
ERG Code	6C
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN2746
UN proper shipping name	PHENYL CHLOROFORMATE
Transport hazard class(es)	6.1
Subsidiary class(es)	8
Packing group	II
Marine pollutant	No
EmS No.	F-A, S-B
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not relevant.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V

Not listed.

Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registry (EPER)

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1). Candidate List

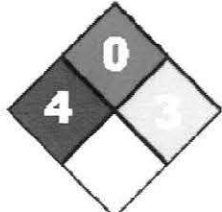


Not listed.

Other regulations	Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 as amended.
National regulations	Follow national regulation for work with chemical agents.
Chemical safety assessment	No Chemical Safety Assessment has been carried out.

Section 16: Other information

List of abbreviations	DNEL: Derived No-Effect Level. PNEC: Predicted No-Effect Concentration. PBT: Persistent, bioaccumulative and toxic. vPvB: Very Persistent and very Bioaccumulative.
References	Not available.
Information on evaluation method leading to the classification of mixture	The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
Full text of any statements or R-phrases and H-phrases under Sections 2 to 15	R22 Harmful if swallowed. R26 Very toxic by inhalation. R34 Causes burns. H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage. H330 - Fatal if inhaled.
Training information	Follow training instructions when handling this material.
Disclaimer	This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.
Issue date	21-February-2012
Revision date	21-February-2012
Print date	21-February-2012

Material Safety Data Sheet

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>4</td></tr><tr><td>Fire Hazard</td><td>0</td></tr><tr><td>Reactivity</td><td>3</td></tr></table>	Health Hazard	4	Fire Hazard	0	Reactivity	3		
Health Hazard	4								
Fire Hazard	0								
Reactivity	3								

Issuing Date 25-Jul-2007

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name PHOSGENE

UN-No UN1076

Synonyms CARBONYL CHLORIDE

Recommended Use Chemical intermediate.

Supplier Address
VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094
TEL: 716-433-6763

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION**DANGER!****Emergency Overview**

POISON

Very toxic by inhalation

Corrosive

The product causes burns of eyes, skin and mucous membranes

Liquid can cause burns similar to frostbite.

Contents under pressure

Appearance Clear

Physical State Compressed liquefied gas

Odor Grass

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects**Principle Routes of Exposure**

Inhalation, Skin contact, Eye contact.

Acute Toxicity**Eyes**

Causes burns. Corrosive to the eyes and may cause severe damage including blindness.

Skin

Causes burns. Contact with product may cause frostbite.

Inhalation

Poison - may be fatal if inhaled. Corrosive to respiratory system. May cause pulmonary edema. Please see Section 11. Toxicological Information for further information.

Ingestion

Not an expected route of exposure. This product is a gas at normal temperature and pressure. Ingestion causes burns of the upper digestive and respiratory tract.

Chronic Effects

Prolonged or repeated exposure increases the risk.

Main Symptoms

See Section 11 for additional Toxicological Information.

Aggravated Medical Conditions

Respiratory disorders.

Environmental Hazard

See Section 12 for additional Ecological information

3. COMPOSITION/INFORMATION ON INGREDIENTS**Common Name**

Phosgene.

Chemical Family

Carbonic acid chloride.

FormulaCOCl₂

Chemical Name	CAS-No	Weight %
Phosgene	75-44-5	100

4. FIRST AID MEASURES**General Advice**

Immediate medical attention is required. Move victim to a safe isolated area. Call 911 or emergency medical service. Show this safety data sheet to the doctor in attendance.

Eye Contact

Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Call a physician immediately.

Skin Contact	Immediate medical attention is required. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician.
Inhalation	Immediate medical attention is required. Move to fresh air. Call a physician immediately. If breathing is irregular or stopped, administer artificial respiration. If breathing is difficult, give oxygen.
Ingestion	Not an expected route of exposure. Remove from exposure, lie down. Immediate medical attention is required. Call a physician or Poison Control Center immediately. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting.
Notes to Physician	Overexposure to phosgene can lead to pulmonary edema. Effects of contact or inhalation may be delayed. Keep victim under observation. Treat symptomatically. Consult with the ACC Phosgene panel web site for the current version of the phosgene 1st aid and treatment options. The web site is www.phosgenepanel.org .
Protection of First-aiders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Use personal protective equipment. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable
Flash Point	Not flammable
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Hazardous Combustion Products	Carbon oxides, Chlorine gas.
Explosion Data	
Sensitivity to mechanical impact	None
Sensitivity to static discharge	None

Specific Hazards Arising from the Chemical

The product causes burns of eyes, skin and mucous membranes. In the event of fire and/or explosion do not breathe fumes. Thermal decomposition can lead to release of toxic and corrosive gases/vapors. In the event of fire, cool tanks with water spray.

Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus and protective suit. Damaged cylinders should be handled only by specialists.

NFPA	Health Hazard 4	Flammability 0	Stability 3	Physical and Chemical Hazards -
HMIS	Health Hazard 4	Flammability 0	Stability 3	Personal Precautions K

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Do not touch or walk through spilled material. Use personal protective equipment. If you have not donned special protective clothing approved for this material, do not expose yourself to any risk of this material touching you. DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST. Look out! Corrosive material. Contents under pressure. A vapor suppressing foam may be used to reduce vapors.
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Methods for Containment	Prevent further leakage or spillage if safe to do so. Isolate area until gas has dispersed. A vapor suppressing foam may be used to reduce vapors.
Methods for Cleaning Up	Use personal protective equipment. Minimize the amount spilled and suppress resultant vapors. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Do NOT use water or wet materials for cleaning up.
Other Information	Use fine water spray to reduce vapors; do not put water directly on point of material release from container. Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. Ensure adequate ventilation. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Remove contaminated clothing and shoes. Contents under pressure. Do not puncture or incinerate.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children. Keep at temperatures below 55 °C / 130 °F. Cylinders should be stored upright with valve protection cap in place and firmly secured to prevent falling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phosgene	TWA: 0.1 ppm	(vacated) TWA: 0.1 ppm (vacated) TWA: 0.4 mg/m ³ TWA: 0.4 mg/m ³ TWA: 0.1 ppm	IDLH: 2 ppm Ceiling: 0.2 ppm Ceiling: 0.8 mg/m ³ TWA: 0.1 ppm TWA: 0.4 mg/m ³

NIOSH IDLH: Immediately Dangerous to Life or Health

Engineering Measures	Showers Eyewash stations Ventilation systems
Personal Protective Equipment	
Eye/Face Protection	Face-shield.
Skin and Body Protection	Impervious clothing. Impervious gloves. Boots. Chemical resistant apron.
Respiratory Protection	Wear a positive-pressure supplied-air respirator with full facepiece.
Hygiene Measures	Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear.	Odor	Grass.
Odor Threshold	0.4 - 1.5 ppm (EPA IRIS 2006).	Physical State	Compressed liquefied gas.
pH	Not applicable		
Flash Point	Not flammable	Autoignition Temperature	Not applicable
Decomposition Temperature		Decomposition temperature °C	250 °C
Boiling Point/Range	8.2°C / 46.8°F	Melting Point/Range	-128°C / -198°F
Flammability Limits in Air	Not flammable	Explosion Limits	Not applicable
Specific Gravity	1.388@20C	Molecular Weight	98.9
Water Solubility	Hydrolyzes.	Solubility	No information available.
Evaporation Rate	No information available.	Vapor Pressure	23.44 psia @ 20°C
Vapor Density	3.4 (air=1)	VOC Content	100
EPA VOC (g/l)	100%	Viscosity	.403cps
Partition Coefficient (n-octanol/water)	-.71		

10. STABILITY AND REACTIVITY

Stability	Stable up to approximately 200°C.
Incompatible Products	Water. Acids. Alcohols. Amines. Metals.
Conditions to Avoid	Extremes of temperature and direct sunlight. Exposure to water. Decomposes slowly on exposure to water.
Hazardous Decomposition Products	Thermal decomposition can lead to release of toxic/corrosive gases and vapors. Carbon monoxide (CO). Chlorine gas.
Hazardous Polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information	Very toxic by inhalation. May be fatal if inhaled.
Irritation	Causes severe irritation and or burns.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
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Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phosgene			0.084 mg/L (Rat) 30 min

Chronic Toxicity

Chronic Toxicity Prolonged or repeated exposure increases the risk.

Target Organ Effects Lungs, Respiratory system.

Other Adverse Effects Inhalation of vapor can cause pulmonary edema. Concentrations as low as 0.2 ppm has been shown to cause pulmonary edema in laboratory animals.

Human occupational exposures to high concentrations have caused severe irritation of the respiratory tract including choking, coughing, bloody sputum, and painful breathing and may cause pulmonary edema and pneumonia leading to death from circulatory and respiratory failure.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Reacts with water so no ecotoxicity data for the substance is available.

Persistence and Degradability Reacts with water to form hydrochloric acid.

Bioaccumulation/ Accumulation Does not bioaccumulate.

Mobility While phosgene adsorbs strongly to relatively dry soil, it is likely to rapidly volatilize and hydrolyze when released on moist soils. Very persistent in the atmosphere. Estimated troposphere half-life is about 14 days.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Should not be released into the environment. This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of contents/container in accordance with local regulation.

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations.

US EPA Waste Number D002

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Phosgene - 75-44-5	waste number P095	Included in waste stream: K116		

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Phosgene - 75-44-5		waste number P095		

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Phosgene	Ignitable; Reactive

14. TRANSPORT INFORMATION**DOT**

Proper Shipping Name	Phosgene
Hazard Class	2.3
Subsidiary Class	8
UN-No	UN1076
Reportable Quantity (RQ)	Phosgene, RQ kg = 4.54
Description	Phosgene(Phosgene),2.3,(8),UN1076,RQ

TDG

Proper Shipping Name	Phosgene
Hazard Class	2.3
Subsidiary Class	8
UN-No	UN1076
Description	PHOSGENE,2.3,UN1076

MEX

Proper Shipping Name	Fosgeno
Hazard Class	2.3
Subsidiary Class	8
UN-No	UN1076
Description	UN1076 Fosgeno,2.3,

ICAO

Forbidden

IATA

Forbidden

IMDG/IMO

Proper Shipping Name	Phosgene
Hazard Class	2.3
Subsidiary Class	8
UN-No	UN1076
EmS No.	F-C, S-U
Description	UN1076, Phosgene,2.3(8)

RID

Proper Shipping Name	Phosgene
Hazard Class	2
UN-No	UN1076
Classification Code	2TC
Description	UN1076 Phosgene,2,RID
ADR/RID-Labels	2.3 + 8 + 13

ADR

Proper Shipping Name	Phosgene
Hazard Class	2
UN-No	UN1076
Classification Code	2TC
ADR/RID-Labels	2.3 + 8

ADN

Proper Shipping Name	Phosgene
Hazard Class	2
Classification Code	2TC

14. TRANSPORT INFORMATION

Description	UN1076 Phosgene,2,
Hazard Labels	2.3 + 8
Limited Quantity	LQ0
Ventilation	VE02

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
CHINA	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values
Phosgene	75-44-5	100	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	Yes

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosgene	10 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Phosgene	10 lb	10 lb

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Phosgene	X	X	X	X	X

International Regulations**Mexico - Grade**

Severe risk, Grade 4

Chemical Name	Carcinogen Status	Exposure Limits
Phosgene		Mexico: TWA= 0.1 ppm Mexico: TWA= 0.4 mg/m ³

Canada

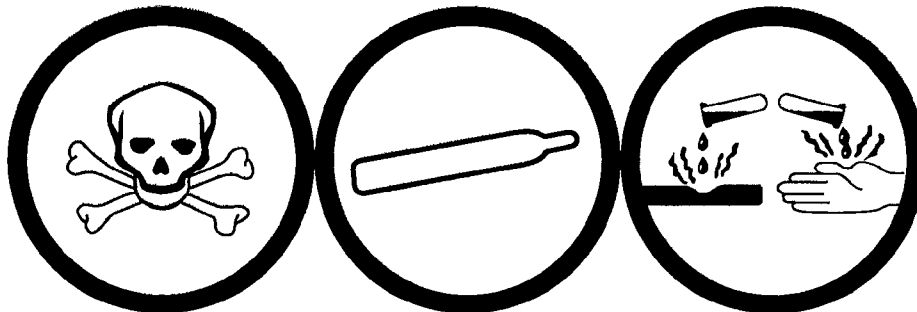
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D1A Very toxic materials

A Compressed gases

E Corrosive material



Chemical Name	NPRI
Phosgene	X

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION**Issuing Date**

25-Jul-2007

Revision Date**Revision Note**

No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

MATERIAL SAFETY DATA SHEET

DATE : 03/16/07

DOC. : SE-0017-00

REV : A

1. CHEMICAL PRODUCT IDENTIFICATION

Product name **Propargyl Chloroformate**

Manufactured by **ISOCHEM Inc.
One North Transit Rd.
Lockport, NY 14094
USA**

**Phone: 716-433-6764 Fax : 716-433-2850
Chemtrec : 800-424-9300**

2. COMPOSITION-INFORMATION ON INGREDIENTS

<i>Chemical Name :</i>	<i>CAS Number :</i>	<i>Percentage:</i>
Propargyl Chloroformate	35718-08-2	100%

3. HAZARD IDENTIFICATION

**NOT TSCA LISTED
NON-ISOLATED INTERMEDIATE OR FOR R&D PURPOSES ONLY.**

HARMFUL BY INGESTION

MAY CAUSE ADVERSE EFFECTS ON HEALTH BY CHRONIC EXPOSURE

HARMFUL FOR AQUATIC ENVIRONMENT

POISON INHALATION HAZARD, HAZARD ZONE B

Health: 4 Flammability: 3 Reactivity: 2

4. FIRST AID MEASURES

Inhalation : Remove to fresh air. If not breathing, perform rescue breathing. If breathing labored, provide oxygen by trained personnel. Seek immediate medical attention.

Skin contact : Rinse off the material and wash with copious amounts of soap and water. If irritation develops, seek medical attention.

Eye contact : Wash with copious amounts of water for at least 15 minutes and seek medical attention.

Ingestion : Do not induce vomiting. If conscious, drink large quantities of water. Antacids may be administered. Seek medical treatment.

Title: Propargyl Chloroformate MSDS		
SOP: SE-0017-00	Revision A	Page 2 of 6

HAZARDS IDENTIFICATION

<i>Acute effects:</i>	Eye - Corrosive, contact causes burns to the eyes. Skin - Corrosive, contact causes burns to the skin Ingestion - If ingested, corrosive, may cause permanent damage to mouth, throat, and stomach. Inhalation - May be fatal if inhaled due to pulmonary edema. Inhalation of even small amounts may cause severe irritation, coughing, choking, and respiratory distress.
<i>Chronic effects:</i>	To the best of our knowledge the chronic health effects have not been investigated.

5. FIRE FIGHTING MEASURES

<i>Extinguishing media :</i>	Water reactive. Use dry chemical or polymer foam
<i>Hazardous thermal decomposition and combustion product :</i>	Toxic and corrosive fumes generated by combustion or decomposition with water. Decomposes with water to form hydrochloric acid and propargyl alcohol
<i>Protective equipment :</i>	Refer to section 8.
<i>Fire fighting instructions:</i>	Use NIOSH/MSHA approved self container breathing apparatus (SCBA's) to prevent exposure to hazardous decomposition products. Use fire fighting techniques suitable for the surrounding environment. Contact with water will generate toxic and corrosive fumes. Intact drums exposed to fire conditions should be kept cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

<i>Personal precautions :</i>	Wear respirator and protective clothing (see sec. 8). Keep unnecessary people away. Avoid possible sources of ignition. Use non-sparking tools and proper bonding / grounding techniques.
<i>Environmental precautions :</i>	Avoid spilling to sewers and or water. Toxic effects not investigated. May be toxic to fish, bacteria, and other aquatic organisms
<i>Cleaning procedures :</i>	Evacuate the area and remove potential ignition sources. Caution, flammable, avoid sparking tools for cleanup. Contain spill. Absorb with absorbent media and collect in a corrosion resistant drum for disposal. After through cleanup, flush the area with water or soap & water and collect with an explosion proof wet-vac for disposal.

Title: Propargyl Chloroformate MSDS		
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7. HANDLING AND STORAGE

<i>Handling :</i>	Use with adequate ventilation to prevent inhalation exposure. Avoid splashing and contact. Safety shower and eye wash should be present in the handling area. Use proper bonding and grounding procedures.
<i>Storage :</i>	Must be kept refrigerated. Store in a cool, dry location away from direct sunlight or other sources of heat. Avoid contamination with moisture. Store in tightly closed and properly marked containers.
<i>Storage Temperature:</i>	< 0°C recommended.
<i>Shelf Life:</i>	6 months @ < 0°C
<i>Special Sensitivity:</i>	Avoid contamination with moisture.

OSHA Hazard Information

<i>Carcinogen:</i>	Not listed
<i>Target Organ Effects:</i>	Lungs / Eye / Cutaneous
<i>Other Hazards:</i>	None
<i>Corrosive:</i>	Yes
<i>Highly Toxic:</i>	Yes
<i>Irritant:</i>	Yes
<i>Sensitizer:</i>	Yes
<i>Toxic:</i>	Yes

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<i>Respiratory protection :</i>	A NIOSH/MSHA approved full facepiece respirator with organic vapor/acid gas cartridge or canister.
<i>Hand protection :</i>	Chemical resistant gloves and clothing required when liquid contact possible.
<i>Eye protection:</i>	Safety glasses with side shields. When liquid contact hazard exists, full face protection required.
<i>Skin protection:</i>	For small spills or leaks, as specified in 8.1 - 8.3. For large spills and leaks Level A protection should be utilized. This includes vapor tight full body protection utilizing an SCBA or airline respirator.
<i>Special protective measures :</i>	Use mechanical ventilation to prevent exposure to employees
<i>Work hygienic practices:</i>	Wash well after handling.

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9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Description :</i>	Clear, slightly yellow to brown in color.
<i>pH :</i>	NA
<i>Odor:</i>	Strongly acrid and irritating
<i>Boiling point:</i>	~ 55°C @ 100mmHg
<i>Auto-ignition:</i>	Has not been determined
<i>Explosive limits :</i>	Has not been determined
<i>Vapor pressure :</i>	Has not been determined
<i>Specific gravity :</i>	Varies with concentration.
<i>Solubility :</i>	Decomposes in water.

10. STABILITY AND REACTIVITY

<i>Conditions to avoid :</i>	Reacts with water to form corrosive hydrogen chloride and toxic propargyl alcohol.
<i>Materials to avoid :</i>	Water, bases, alcohols, amines.
<i>Hazardous decomposition products :</i>	Hydrogen chloride, propargyl alcohol, propargyl chloride.

11. TOXICOLOGICAL INFORMATION

<i>Acute toxicity :</i>	Not available
<i>Eye contact :</i>	Not available
<i>Sensitization :</i>	Not available
<i>Other information :</i>	None available

Title: Propargyl Chloroformate MSDS		
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12. ECOLOGICAL INFORMATION

Persistence and degradability : Hydrolysis to hydrogen chloride and propargyl alcohol

Ecotoxicity : None available

13. DISPOSAL CONSIDERATIONS

Methods of disposal : Incineration is the disposal method of choice for propargyl chloroformate.

14. TRANSPORTATION INFORMATION

Shipping Name: Chloroformates, toxic, corrosive, flammable, n.o.s.

Technical Name: Propargyl Chloroformate

Hazard Class: 6.1,8,3

UN/NA Number: UN2742

Packing Group: II

Label(s): Toxic (6), flammable(3), corrosive(8)

Placard(s): Toxic

Markings: NA

Hazardous Substance: No

RQ: No

Poison / Inhalation hazard: Yes

Marine Pollutant: No

Packaging Requirements: 173.202 (non bulk)

Exemption Number: Na

Bill of Lading Description: CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S. (PROPARGYL CHLOROFORMATE), 6.1, (8), (3), UN 2742, PG II, POISON INHALATION HAZARD, HAZARD ZONE B. ERG GUIDE 155.

Title: Propargyl Chloroformate MSDS		
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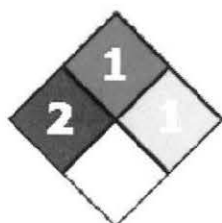



15. REGULATORY INFORMATION

<i>TSCA</i>	Not listed
<i>AIR</i>	Not listed
<i>WATER</i>	Not listed
<i>RCRA</i>	Not listed.

16. OTHER INFORMATION

<i>M.F. :</i>	C ₄ H ₃ ClO ₂
<i>EC N° :</i>	Not listed
<i>Use :</i>	Chemical synthesis

The information contained in this data sheet is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control.
Furthermore, nothing contained here in shall be construed as recommendation to use any product in conflict with existing patents covering any material or its use.

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>2</td></tr><tr><td>Fire Hazard</td><td>1</td></tr><tr><td>Reactivity</td><td>1</td></tr></table>	Health Hazard	2	Fire Hazard	1	Reactivity	1	  	
Health Hazard	2								
Fire Hazard	1								
Reactivity	1								

Issuing Date 26-Jul-2007

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Propargyl N-Butylcarbamate

Synonyms PNBC, Butylcarbamic acid, propynyl ester

Recommended Use Chemical intermediate.

Supplier Address
VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094
TEL: 716-433-6764

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

May be harmful if swallowed
May cause skin, eye, and respiratory tract irritation
Avoid contact with acids and bases
Contact may result in the formation of propargyl alcohol, a highly toxic substance

Appearance Clear, amber colored

Physical State Liquid

Odor Sweet, Organic

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Principle Routes of Exposure

Skin contact, Eye contact, Ingestion.

Acute Toxicity

Eyes

Skin

Inhalation

Contact with eyes may cause irritation.

May cause irritation.

Inhalation of vapors in high concentration may cause irritation of respiratory system.

Ingestion	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic Effects	Avoid repeated exposure.
Aggravated Medical Conditions	Skin disorders. Preexisting eye disorders.
Environmental Hazard	See Section 12 for additional Ecological information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name	Propargyl N-Butylcarbamate.
Chemical Family	Carbamic acid derivative.
Formula	C8H13NO2

Chemical Name	CAS-No	Weight %
Carbamic acid, butyl-, 2-propynyl ester	76114-73-3	100

4. FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. Remove from exposure, lie down. If symptoms persist, call a physician.
Ingestion	Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Do not induce vomiting.
Notes to Physician	Treat symptomatically.
Protection of First-aiders	Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Combustible material.
Flash Point	122°C / 252°F
Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO ₂). Water. Foam.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Hazardous Combustion Products	Carbon monoxide, Carbon dioxide (CO ₂), Nitrogen oxides (NO _x), Hydrogen cyanide, Propargyl alcohol.
Explosion Data	
Sensitivity to mechanical impact	None
Sensitivity to static discharge	None

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of toxic and corrosive gases/vapors. Cool drums with water spray.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA	Health Hazard 2	Flammability 1	Stability 1	Physical and Chemical Hazards -
HMIS	Health Hazard 2	Flammability 1	Stability 1	Personal Precautions G

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Evacuate personnel to safe areas.
Methods for Containment	Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal.
Methods for Cleaning Up	Use personal protective equipment. Take precautionary measures against static discharges. Cover liquid spill with sand, earth or other noncombustible absorbent material. Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly. Prevent product and washings from entering drains, sewers or surface water due to high toxicity to aquatic organisms.
Other Information	Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not breathe vapors or spray mist. Keep away from open flames, hot surfaces and sources of ignition.
Storage	Store at room temperature. Keep away from direct sunlight. Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat and sources of ignition. Shelf life 6 months. Store in polyethylene or polyethylene-lined steel drums.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	Showers Eyewash stations Ventilation systems
Personal Protective Equipment	
Eye/Face Protection	Safety glasses with side-shields. Face-shield.
Skin and Body Protection	Wear protective gloves/clothing.
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene Measures	When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, amber colored.	Odor	Sweet. Organic.
Odor Threshold	No information available.	Physical State	Liquid.
pH	Not applicable		
Flash Point	122°C / 252°F	Autoignition Temperature	Not applicable
Decomposition Temperature	156°C Q = 20.6 joules/gram; 250°C Q = 451 joules/gram	Boiling Point/Range	90°C / 194°F (@ 1mmHg)
Melting Point/Range	-30°C / -22°F		
Flammability Limits in Air	No information available.	Explosion Limits	No information available.
Specific Gravity	0.99	Water Solubility	Insoluble in water.
Solubility	No information available.	Evaporation Rate	No information available.
Vapor Pressure	<0.1 mmHg @ 20°C	Vapor Density	No information available.
VOC Content	Not applicable.	Partition Coefficient (n-octanol/water)	No information available.

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Incompatible Products	Acids. Bases. Strong oxidizing agents. Strong reducing agents. Contact with acids or bases may result in the formation of propargyl alcohol, a highly toxic substance.
Conditions to Avoid	Excessive heat. Exposure to air or moisture over prolonged periods.
Hazardous Decomposition Products	Thermal decomposition can lead to release of toxic/corrosive gases and vapors. Carbon monoxide (CO). Carbon dioxide (CO ₂). Nitrogen oxides (NO _x). Hydrogen cyanide.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity**

Product Information	Product is harmful by ingestion.
Irritation	May cause irritation.
LD50 Oral VALUE (mg/kg)	>500 mg/kg (rat)

Chronic Toxicity

Chronic Toxicity	Avoid repeated exposure.
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Target Organ Effects Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms. May decompose in the environment to propargyl alcohol, which is considered toxic to aquatic organisms and may cause long-term adverse effects in the environment.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Carbamic acid, butyl-, 2-propynyl ester		85 ppm (96-hr, Rainbow trout)		60 ppm (48-hr)

Persistence and Degradability No data is available on the product itself. May decompose to form propargyl alcohol.

Bioaccumulation/ Accumulation Not likely to bioaccumulate.

Mobility May decompose to form propargyl alcohol

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL	Does not Comply
EINECS/ELINCS	Does not Comply
ENCS	Does not Comply
CHINA	Does not Comply
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

International Regulations

Mexico - Grade Slight risk, Grade 1

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D1B Toxic materials



16. OTHER INFORMATION

Issuing Date 26-Jul-2007

Revision Date

Revision Note No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

Issuing Date 10-Jul-2007

Revision Date 01-Mar-2011

Revision Number 2

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name p-Toluenesulfonyl Isocyanate
Synonyms PTSI, Tosyl isocyanate, 4-methyl benzenesulfonyl isocyanate
Pure substance/preparation Substance
Formula C₈H₇NO₃S



1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Water scavenger
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Company VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094, USA
Telephone: 716-433-6764
Supplier No information available.

For further information, please contact

E-mail Address sales@vdmchemical.com

1.4. Emergency telephone number

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

Europe	112
Denmark	Poison Control Hotline (DK): +45 82 12 12 12
France	ORFILA (FR): + 01 45 42 59 59
Germany	Poison Center Berlin (DE): +49 030 30686 790
Italy	Poison Center, Milan (IT): +39 02 6610 1029
Switzerland	Poison Center: Tel 145; +41 44 251 51 51

Section 2. Hazards identification

2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Respiratory Sensitization	Category 1
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 3

Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16

Symbol(s) Xn - Harmful
R-code(s) R14 Xi; R36/37/38 R42

2.2. Label Elements

**Signal Word****Danger****Hazard Statements**

H315 - Causes skin irritation
 H319 - Causes serious eye irritation
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
 H335 - May cause respiratory irritation
 EUH014 - Reacts violently with water
 EUH204 - Contains isocyanates. May produce an allergic reaction

Precautionary Statements - EU (§28, 1272/2008)

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
 P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician
 P304 + P341 - IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
 P370 + P378 - In case of fire: Use carbon dioxide for extinction
 P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other information

Section 3. Composition/information on ingredients
--

3.1. Substances**Chemical Nature of the Preparation** Isocyanate compound.

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Benzenesulfonyl isocyanate, 4-methyl-	223-810-8	4083-64-1	98	R14 Xi; R36/37/38 R42	(EUH014) Skin Irrit. 2 (H315) STOT SE 3 (H335) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334)	No data available
Tosyl Chloride	202-684-8	98-59-9	1.1	C;R34 R29	Skin Corr. 1B (H314) (EUH029)	No data available

For the full text of the R-phrases mentioned in this Section, see Section 16

For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of first-aid measures**General Advice**

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
 Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

Eye Contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Ingestion	Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Consult a physician.
Inhalation	Move to fresh air in case of accidental inhalation of vapors. Artificial respiration and/or oxygen may be necessary. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If symptoms persist, call a physician.
Protection of First-aiders	Use personal protective equipment. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

4.2. Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects No information available.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician Causes sensitization Use of epinephrine may be indicated Treat symptomatically.

Section 5. Fire-fighting measures
--

5.1. Extinguishing media**Suitable Extinguishing Media**

Carbon dioxide (CO₂). Dry chemical.

Extinguishing media which must not be used for safety reasons

Water.

5.2. Special hazards arising from the substance or mixture**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

Reacts vigorously and/or explosively with water. Thermal decomposition can lead to release of irritating gases and vapors.

5.3. Advice for firefighters**Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid contact with skin, eyes and clothing. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

DO NOT GET WATER on spilled substance or inside containers Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Prevent contact with water. Do NOT use water for clean-up

Neutralize with the following product(s):

Mixture of 15% t-butyl alcohol, 65% mineral/paraffin oil, and 20% butyl acetate.

100 grams of solution reacts with 42 grams of product. Product is neutralized slowly as it reacts with the t-butyl alcohol. CO₂ will be liberated slowly. Do not seal containers.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not breathe vapors or spray mist. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Reacts violently with water.

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Wash hands and face before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children. Store at ambient conditions.

7.3. Specific end use(s)

Exposure Scenario

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical Name	EU	The United Kingdom	France	Spain	Germany
Benzenesulfonyl isocyanate, 4-methyl- 4083-64-1		Sens (as NCO) 0.02 mg/m ³ TWA (as NCO) 0.07 mg/m ³ STEL			
Tosyl Chloride 98-59-9		STEL: 5 mg/m ³			

Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
Benzenesulfonyl isocyanate, 4-methyl- 4083-64-1				0.035 mg/m ³ STEL (as NCO)	

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Benzenesulfonyl isocyanate, 4-methyl- 4083-64-1		Sens (as NCO) 0.02 mg/m ³ MAK (as NCO) 0.02 mg/m ³ STEL 15 min (as NCO)			Sens (as NCO) 0.07 mg/m ³ STEL (as NCO) 0.02 mg/m ³ TWA (as NCO)
Tosyl Chloride 98-59-9					STEL: 5 mg/m ³

Legend:

TWA = time weighted average
 STEL = Short term exposure limit
 Skin = S* = Skin designation
 Sens = Sensitizer
 Cell = Ceiling Limit Value
 NCO = Expressed as Isocyanates

Derived No Effect Level No information available
 Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls**Engineering Measures**

Showers, eyewash stations, and ventilation systems.

Personal protective equipment**Eye Protection**

Tightly fitting safety goggles. Face-shield.

Skin and Body Protection

Lightweight protective clothing. Apron. Long sleeved clothing.

Hand Protection

Impervious gloves. Nitrile rubber.

Respiratory Protection

In case of insufficient ventilation wear suitable respiratory equipment. Wear a positive-pressure supplied-air respirator

Environmental Exposure Controls Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

Section 9. Physical and chemical properties
--

9.1. Information on basic physical and chemical properties

Physical State	Liquid	Appearance	Clear
Odor	Acrid		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	Not applicable	None known
Melting Point/Range	-2°C / 28°F	None known
Boiling Point/Boiling Range	144°C / 291°F (10 mmHg)	None known
Flash Point	145°C / 293°F	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	No data available	None known
Specific Gravity	1.29 @ 20C	None known
Water Solubility	Reacts with water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Explosive Properties	No information available	
Oxidizing Properties	No information available	
9.2. Other Information		
VOC Content (%)	No information available	

Section 10. Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under recommended storage conditions. Reacts violently with water. Stable up to 170°C.

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

Reacts violently with water.

10.4. Conditions to avoid

Exposure to water. Exposure to air or moisture. Excessive heat.

Incompatible materials

Water Alcohols Amines Acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Exposure to moisture: p-Toluene sulfonamide. Carbon dioxide (CO₂).

May emit toxic fumes under fire conditions. Carbon monoxide (CO). Nitrogen oxides (NO_x). Hydrogen cyanide. Sulfur oxides.

Section 11. Toxicological information

11.1.

Acute Toxicity

Product Information

Inhalation

There is no data available for this product.

Eye Contact

Causes serious eye irritation.

Skin Contact

Causes skin irritation.

Ingestion

LD50 Oral: 2600 mg/kg (rat)

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Benzenesulfonyl isocyanate, 4-methyl-	= 2234 mg/kg (Rat)		>640 ppm (Rat) 1 h

Irritation	Irritating to eyes, respiratory system and skin Eye, rabbit: Severe eye irritant.
Sensitization	Isocyanates are known to be strong sensitizers. May cause sensitization by inhalation.
Mutagenic Effects	No information available.
Carcinogenic Effects	No information available.
Reproductive Toxicity	No information available.
Developmental Toxicity	No information available.
STOT - single exposure	Respiratory system.
STOT - repeated exposure	No information available.
Target Organ Effects	Central nervous system (CNS). Eyes. Liver. Respiratory system. Skin.
Aspiration Hazard	No information available.

Section 12. Ecological information

12.1. Toxicity**Ecotoxicity Effects**

Reacts with water so no ecotoxicity data for the substance is available

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Benzenesulfonyl isocyanate, 4-methyl-	EC50: 23 mg/L Selenastrum capricornutum 72 h (p-Toluene sulfonamide 70-55-3)	LC50: 435 mg/L Oryzias latipes 96 h (p-Toluene sulfonamide 70-55-3)		EC50: 150 mg/L Daphnia magna 72 h (p-Toluene sulfonamide 70-55-3)

12.2. Persistence and degradability

No product level data available Reacts with water to form p-Toluene sulfonamide which is not readily biodegradable

12.3. Bioaccumulative potential.

Product does not bioaccumulate due to reaction with water

12.4. Mobility in soil

Reacts with water and forms p-Toluene sulfonamide The product evaporates slowly. Estimated half-life in the atmosphere is 13 days

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

13.1. Waste treatment methods**Waste from Residues / Unused Products**

Waste is classified as hazardous. Dispose of in accordance with local regulations.

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

Other Information	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.
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Section 14. Transport information
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IMDG/IMO

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Marine Pollutant	None.
14.6. Special Provisions	None.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

RID

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

ADR

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

ICAO

14.1. UN-Number	Not regulated.
14.2. Proper shipping name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

IATA

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

Section 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Take note of Dir 94/33/EC on the protection of young people at work. Not to be used by professional users below 18 years of age, see the National Working Environment Authorities Executive Order on young peoples dangerous work.

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Complies
IECSC	Complies
AICS	Complies
KECL	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No information available

Section 16. Other information**Full text of R-phrases referred to under Sections 2 and 3**

R14 - Reacts violently with water
R29 - Contact with water liberates toxic gas
R34 - Causes burns
R42 - May cause sensitization by inhalation

R36/37/38 - Irritating to eyes, respiratory system and skin

Full text of H-Statements referred to under sections 2 and 3

H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation
EUH014 - Reacts violently with water
EUH029 - Contact with water liberates toxic gas
EUH204 - Contains isocyanates. May produce an allergic reaction

Key literature references and sources for data

www.ChemADVISOR.com/

Prepared By Product Stewardship
 23 British American Blvd.
 Latham, NY 12110
 1-800-572-6501

Issuing Date 10-Jul-2007

Revision Date 01-Mar-2011

Revision Note

Change to composition, (M)SDS sections updated, 3, 8, 11, 12, 16.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Safety Data Sheet

Issuing Date 13-Mar-2008

Revision Date 04-Nov-2010

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Saltidin
Product Code(s) 100729
Recommended Use Insect Repellant active ingredient

Supplier Address

VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094
Telephone: 716 433-6764

Company Emergency Phone Number 716-433-6764

Emergency Telephone Number CHEMTREC: 1-800-424-9300 for US/ 703-527-3887 outside US

2. HAZARDS IDENTIFICATION

CAUTION!

Emergency Overview

HARMFUL IF SWALLOWED

Appearance Colorless to brown **Physical State** Liquid. **Odor** No information available

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Principle Routes of Exposure Inhalation. Skin contact. Eye contact.

Acute Toxicity

Eyes Avoid contact with eyes. Moderately irritating to the eyes
Skin Avoid contact with skin and clothing.
Inhalation Avoid breathing vapors or mists. May be harmful if inhaled.
Ingestion Harmful if swallowed.

Chronic Effects No known effect based on information supplied.

Aggravated Medical Conditions None known.

Environmental Hazard See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Saltidin	119515-38-7	60-100

4. FIRST AID MEASURES

Eye Contact	Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.
Skin Contact	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If symptoms persist, call a physician.
Inhalation	Move to fresh air. If breathing has stopped, contact emergency medical services immediately. If breathing is irregular or stopped, administer artificial respiration. Seek immediate medical attention/advice.
Ingestion	Call a physician or Poison Control Center immediately. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable.			
Flash Point	288°F / 142°C			
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.			
Explosion Data				
Sensitivity to Mechanical Impact	None			
Sensitivity to Static Discharge	None			
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.			
NFPA	Health Hazard 1	Flammability 1	Instability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 1	Flammability 1	Physical Hazard 0	Personal Protection -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing.
Environmental Precautions	Refer to protective measures listed in Sections 7 and 8.
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	Showers Eyewash stations Ventilation systems
Personal Protective Equipment	
Eye/Face Protection	Safety glasses with side-shields. If splashes are likely to occur, wear: Goggles.
Skin and Body Protection	Wear protective gloves/clothing.
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless to brown.	Odor	No information available
Odor Threshold	No information available.	Physical State	Liquid
pH	Not applicable		
Flash Point	288°F / 142°C	Autoignition Temperature	No information available.
Decomposition Temperature	No information available.	Boiling Point/Range	273°C / 523°F
Melting Point/Range	<-170°C / <-274°F		
Flammability Limits in Air	No information available.	Explosion Limits	No information available.
Specific Gravity	1.037	Water Solubility	8.6 g/l
Solubility	Soluble in water.	Evaporation Rate	No information available
Vapor Pressure	0.0003 mmHg @20 °C 0.0006 mmHg @25 °C 0.0071 mmHg @50 °C	Vapor Density	No data available
VOC Content (%)	0.6	Viscosity	129 cps
Partition Coefficient: n-octanol/water	2.11		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Incompatible Products	Strong oxidizing agents. Strong acids. Chlorinated compounds.
Conditions to Avoid	Heat, flames and sparks.
Hazardous Decomposition Products	None under normal use. Carbon oxides. Nitrogen oxides (NOx).
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity****Product Information**

LD50 Oral:	2236 mg/kg (rat)
LD50 Dermal:	> 2000 mg/kg (rabbit)
LC50 Inhalation:	4.364mg/L (rat) (aerosol)

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product. The EPA has concluded that Icaridin is not likely to be a human carcinogen

Developmental Toxicity Effects in offspring were only observed at or above dosage levels which resulted in maternal toxicity

Target Organ Effects None known.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Should not be released into the environment. Dispose of in accordance with local regulations.

Contaminated Packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA

Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene	1000 lb	X	X	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Toluene	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ RQ 0.454 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Toluene	108-88-3	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Toluene	X	X		X	X
sec-Butyl alcohol	X	X	X		X

International Regulations

Mexico - Grade

Slight risk, Grade 1

Chemical Name	Carcinogen Status	Exposure Limits
sec-Butyl alcohol		Mexico: TWA= 100 ppm Mexico: TWA= 305 mg/m ³ Mexico: STEL= 150 ppm Mexico: STEL= 455 mg/m ³

Chemical Name	Carcinogen Status	Exposure Limits
Toluene		Mexico: TWA= 50 ppm Mexico: TWA= 188 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials



Chemical Name	NPRI
sec-Butyl alcohol	X
Toluene	X

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Prepared By

Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Issuing Date

13-Mar-2008

Revision Date

04-Nov-2010

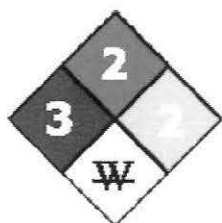


Revision Note

Name change.

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End of Safety Data Sheet

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>3*</td></tr><tr><td>Fire Hazard</td><td>2</td></tr><tr><td>Reactivity</td><td>2</td></tr></table>	Health Hazard	3*	Fire Hazard	2	Reactivity	2		
Health Hazard	3*								
Fire Hazard	2								
Reactivity	2								

Issuing Date 06-Mar-2008

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name sec-Butyl chloroformate

UN-No UN2742

Synonyms Carbono chloridic acid, 1-methylpropyl ester

Recommended Use Pesticide Intermediate.

Supplier Address

VanDeMark Chemical, Inc.
1 North Transit Road
Lockport, NY 14094
Telephone: 716-433-6764

Company Emergency Phone Number 716-433-6764

Emergency Telephone Number Chemtrec: 1-800-424-9300 for US/ 703-527-3887 outside US

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

POISON

Very toxic by inhalation

May be fatal if inhaled

Corrosive

The product causes burns of eyes, skin and mucous membranes

Harmful if swallowed

May be harmful if absorbed through skin

May cause drowsiness and dizziness

Moisture sensitive

FLAMMABLE LIQUID AND VAPOR

Appearance Clear

Physical State Liquid

Odor Pungent, Irritating

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Potential Health Effects	
Acute Toxicity	
Eyes	Corrosive to the eyes and may cause severe damage including blindness. Risk of serious damage to eyes.
Skin	Harmful in contact with skin. Causes burns. May be absorbed through the skin in harmful amounts.
Inhalation	Poison - may be fatal if inhaled. Contact with moist mucous membranes of the respiratory system can cause caustic condition resulting in burns. Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate.
Ingestion	Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract. May cause drowsiness and dizziness. May cause central nervous system depression. May cause additional effects as listed under "Inhalation".
Chronic Effects	Prolonged exposure may cause chronic effects. Possible risks of irreversible effects. May cause adverse liver effects. May cause adverse kidney effects.
Aggravated Medical Conditions	Respiratory disorders.
Environmental Hazard	See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
sec-Butyl chloroformate	17462-58-7	>98.5
Phosgene	75-44-5	<0.1

4. FIRST AID MEASURES

General Advice	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Call a physician immediately.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Call a physician immediately.
Inhalation	Call a physician or Poison Control Center immediately. Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.
Ingestion	Call a physician or Poison Control Center immediately. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Remove from exposure, lie down.
Notes to Physician	Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Symptoms may be delayed. Keep victim under observation.

Protection of First-aiders Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Flammable.			
Flash Point	27°C / 80.6°F			
Suitable Extinguishing Media	Carbon dioxide (CO2). Dry powder. Dry chemical.			
Unsuitable Extinguishing Media	Water.			
Explosion Data				
Sensitivity to mechanical impact	None			
Sensitivity to static discharge	Yes.			
Specific Hazards Arising from the Chemical	The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. Avoid contact with iron.			
Protective Equipment and Precautions for Firefighters	In the event of fire, wear self contained breathing apparatus. Corrosive hazard. Wear protective gloves/clothing and eye/face protection.			
<u>NFPA</u>	Health Hazard 3	Flammability 2	Stability 2	Physical and Chemical Hazards W
<u>HMIS</u>	Health Hazard 3*	Flammability 2	Stability 2	Personal Precautions -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Evacuate personnel to safe areas. Remove all sources of ignition. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid contact with iron. Keep people away from and upwind of spill/leak.
Methods for Containment	Dike far ahead of liquid spill for later disposal. Dike for later disposal; do not apply water unless directed to do so. Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Use personal protective equipment. Dam up. Neutralise with soda ash (sodium carbonate) or lime over area of spill. Cover liquid spill with sand, earth or other noncombustible absorbent material. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Do not direct water at spill or source of leak. Prevent product and washings from entering drains, sewers or surface water due to high toxicity to aquatic organisms.
Other Information	Refer to protective measures listed in Sections 7 and 8. Use fine water spray to reduce vapors; do not put water directly on point of material release from container.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Wear personal protective equipment. Prevent breathing of mist or vapors. Prevent contact with skin, eyes and clothing. Always wear a self-contained breathing apparatus or full-face airline respirator when using this chemical.
-----------------	---

Storage Keep at temperatures below -1 °C / 30 °F. Avoid any contact with iron. All equipment and storage vessels must be constructed of Teflon and glass-lined steel. Shelf life 6 months. Protect from sunlight and store in well-ventilated place. Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phosgene	TWA: 0.1 ppm	TWA: 0.1 ppm TWA: 0.4 mg/m ³ (vacated) TWA: 0.1 ppm (vacated) TWA: 0.4 mg/m ³	IDLH: 2 ppm Ceiling: 0.2 ppm Ceiling: 0.8 mg/m ³ TWA: 0.1 ppm TWA: 0.4 mg/m ³

NIOSH IDLH: Immediately Dangerous to Life or Health

Engineering Measures Showers, eyewash stations, and ventilation systems.

Personal Protective Equipment

Eye/Face Protection

Tightly fitting safety goggles. Face-shield.
Impervious butyl rubber gloves. Solvent-resistant apron and boots.
Wear a positive-pressure supplied-air respirator with full facepiece.

Hygiene Measures Prevent contact with skin eyes and clothing. When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing. For environmental protection remove and wash all contaminated protective equipment before re-use. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear	Odor	Pungent, Irritating
Odor Threshold	No information available	Physical State	Liquid
pH	No information available		
Flash Point	27°C / 80.6°F	Autoignition Temperature	455°C / 851°F
Decomposition Temperature	No information available	Boiling Point/Range	122°C / 252°F
Melting Point/Range	No information available		
Flammability Limits in Air	No information available	Explosion Limits	No information available

Specific Gravity	1.049 @20 °C	Water Solubility	Decomposes slowly on exposure to water
Solubility	No information available	Evaporation Rate	No information available
Vapor Pressure	20 mmHg @ 36 °C	Vapor Density	No data available
VOC Content	Not applicable		

10. STABILITY AND REACTIVITY

Stability	Stable up to approximately -1.1°C. Reacts with water. Unstable if heated.
Incompatible Products	Incompatible with strong acids and bases. Incompatible with oxidizing agents. Water. Metal salts. Alcohols. Amines. Nitrates. Iron.
Conditions to Avoid	Exposure to air or moisture over prolonged periods. Protect from water. Iron.
Hazardous Decomposition Products	Keep refrigerated. Thermal decomposition can lead to release of irritating gases and vapors. Chlorine gas. Phosgene. Hydrogen chloride. Carbon monoxide (CO). Carbon dioxide (CO ₂).
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

LD50 Oral VALUE (mg/kg)	1000-1780 mg/kg (rat)
LD50 Dermal VALUE	>2000 mg/kg
LC50 Inhalation (VAPOR) VALUE	0.44- 2.33mg/L (4-hr)

Chronic Toxicity

Chronic Toxicity	Prolonged exposure may cause chronic effects. Possible risks of irreversible effects. May cause adverse liver effects. May cause adverse kidney effects.
Target Organ Effects	Respiratory system, Central nervous system (CNS), Liver, Kidney, Eyes, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Persistence and Degradability	Reacts with water to form hydrochloric acid.
Bioaccumulation/ Accumulation	Product does not bioaccumulate due to reaction with water.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).
------------------------------	---

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations.
US EPA Waste Number D001 D002

14. TRANSPORT INFORMATION**DOT**

Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class 6.1
Subsidiary Class 8, 3
UN-No UN2742
Packing Group I
Description Chloroformates, toxic, corrosive, flammable, n.o.s.(sec-Butyl alcohol, Phosgene),6.1,(8, 3),UN2742,PG I

TDG

Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class 6.1
Subsidiary Class 8, 3
UN-No UN2742
Packing Group I
Description CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.,6.1,UN2742,PG I

MEX

Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class 6.1
Subsidiary Class 3, 8
UN-No UN2742
Packing Group I
Description UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s.(sec-Butyl alcohol, Phosgene),6.1,I

ICAO

UN-No UN2742
Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class 6.1
Subsidiary Class 3, 8
Packing Group I
Description Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1(3, 8),UN2742,PG I

IATA

UN-No UN2742
Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class 6.1
Subsidiary Class 3, 8
Packing Group I
ERG Code 6CF
Description UN2742,Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1(3, 8),PG I

IMDG/IMO

Proper Shipping Name Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class 6.1
Subsidiary Class 3, 8, +
UN-No UN2742
Packing Group I

14. TRANSPORT INFORMATION

EmS No.	F-E, S-C
Description	UN2742, Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1(3, 8, +),PG I

RID

Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
UN-No	UN2742
Packing Group	I
Classification Code	TFC
Description	UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1,I,RID
ADR/RID-Labels	6.1 + 3 + 8

ADR

Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
UN-No	UN2742
Packing Group	I
Classification Code	TFC
Description	UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1,I
ADR/RID-Labels	8, 3

ADN

Proper Shipping Name	Chloroformates, toxic, corrosive, flammable, n.o.s.
Hazard Class	6.1
Packing Group	I
Classification Code	TFC
Special Provisions	274, 561, 802
Description	UN2742 Chloroformates, toxic, corrosive, flammable, n.o.s.,6.1,I
Hazard Labels	6.1 + 3 + 8
Limited Quantity	LQ17
Ventilation	VE01, VE02

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Does not Comply
KECL	Does not Comply
PICCS	Complies
AICS	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	Yes

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosgene	10 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Phosgene	10 lb	10 lb

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Phosgene	X	X	X	X	X
sec-Butyl alcohol	X	X	X		X

International Regulations**Mexico - Grade**

Serious risk, Grade 3

Chemical Name	Carcinogen Status	Exposure Limits
Phosgene		Mexico: TWA= 0.1 ppm Mexico: TWA= 0.4 mg/m ³
sec-Butyl alcohol		Mexico: TWA= 100 ppm Mexico: TWA= 305 mg/m ³ Mexico: STEL= 150 ppm Mexico: STEL= 455 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D1A Very toxic materials
E Corrosive material
B2 Flammable liquid



Chemical Name	NPRI
Phosgene	X
sec-Butyl alcohol	X

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION**Issuing Date** 06-Mar-2008**Revision Date****Revision Note** No information available**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name TETRABROMO BISPHENOL-A POLYCARBONATE
Version # 01
Issue date 07-16-2012
Revision date -
Supersedes date -
CAS # Proprietary
Product use Industrial chemical.
Manufacturer/Supplier VanDeMark Chemical Inc.
 1 North Transit Road, Lockport, NY 14094, USA
Telephone +1 716-433-6764
Emergency Emergency telephone +1-800-424-9300, North America

2. Hazards Identification

Physical state Solid.
Appearance Solid.
OSHA regulatory status This product is not hazardous according to OSHA 29CFR 1910.1200.
Potential health effects
Eyes Dust in the eyes will cause irritation.
Skin Dust may irritate skin.
Inhalation Dust may irritate respiratory system or lungs.
Ingestion May cause discomfort if swallowed.
Target organs Eyes. Respiratory system.
Potential environmental effects The product is not expected to be hazardous to the environment.

3. Composition / Information on Ingredients

Components	CAS #	Percent
TETRABROMO BISPHENOL-A POLYCARBONATE	Proprietary	100

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First Aid Measures

First aid procedures
Eye contact Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.
Skin contact Rinse with water. Get medical attention promptly if symptoms persist or occur after washing. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn.
Inhalation In case of inhalation of dusts or fumes from heated product: Move injured person into fresh air and keep person calm under observation. Get medical attention if any discomfort continues.
Ingestion Rinse mouth thoroughly. Large quantities: Get medical attention if symptoms occur.
Notes to physician Treat symptomatically.
General advice First aid personnel must be aware of own risk during rescue.

5. Fire Fighting Measures

Extinguishing media
Suitable extinguishing media Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media	None.
Protection of firefighters	
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Fire fighting equipment/instructions	Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental Release Measures

Personal precautions	Avoid inhalation of dust. See Section 8 of the MSDS for Personal Protective Equipment.
Environmental precautions	Do not allow to enter drains, sewers or watercourses.
Methods for cleaning up	Collect and dispose of spillage as indicated in Section 13 of the MSDS.
Other information	Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling	Avoid inhalation of dust. Avoid prolonged and repeated contact. Use work methods which minimize dust production. Wear appropriate personal protective equipment.
Storage	Store in closed original container in a dry place.

8. Exposure Controls / Personal Protection

Occupational exposure limits

ACGIH

Material	Type	Value	Form
TETRABROMO BISPHENOL-A POLYCARBONATE (CAS Proprietary)	TWA	3 mg/m3	Respirable particles.
		10 mg/m3	Inhalable particles.

U.S. - OSHA

Material	Type	Value	Form
TETRABROMO BISPHENOL-A POLYCARBONATE (CAS Proprietary)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

Canada - Alberta

Material	Type	Value	Form
TETRABROMO BISPHENOL-A POLYCARBONATE (CAS Proprietary)	TWA	3 mg/m3	Respirable particles.
		10 mg/m3	Total particulate.

Canada - British Columbia

Material	Type	Value	Form
TETRABROMO BISPHENOL-A POLYCARBONATE (CAS Proprietary)	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Total dust.

Canada - Ontario

Material	Type	Value	Form
TETRABROMO BISPHENOL-A POLYCARBONATE (CAS Proprietary)	TWA	3 mg/m3	Respirable particles.
		10 mg/m3	Inhalable particulate.

TETRABROMO BISPHENOL-A POLYCARBONATE

CPH MSDS NA

907109 Version #: 01 Revision date: - Issue date: 07-16-2012

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Canada - Quebec

Material	Type	Value	Form
TETRABROMO BISPHENOL-A POLYCARBONATE (CAS Proprietary)	TWA	10 mg/m3	Total dust.
Exposure guidelines	No exposure limits noted for ingredient(s). Above occupational exposure limits are values for general particles.		
Engineering controls	Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.		
Personal protective equipment			
Eye / face protection	Use tight fitting goggles if dust is generated. If contact with hot material may occur, safety glasses and face shield are recommended.		
Skin protection	For prolonged or repeated skin contact use suitable protective gloves. When material is heated, wear gloves to protect against thermal burns.		
Respiratory protection	Wear respirator if there is dust formation. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. When the product is heated, use suitable respiratory equipment with gas filter for organic gas.		
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.		

9. Physical & Chemical Properties

Appearance	Solid.
Physical state	Solid.
Form	Solid.
Color	Off-white.
Odor	Odorless.
Odor threshold	Not available.
pH	Not applicable.
Vapor pressure	Not applicable.
Vapor density	Not available.
Boiling point	Not applicable.
Melting point/Freezing point	Not available.
Solubility (water)	Insoluble in water.
Specific gravity	1.35
Flash point	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	Not available.

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under normal temperature conditions.
Conditions to avoid	Excessive heat.
Incompatible materials	No data available.
Hazardous decomposition products	During combustion: Carbon monoxide. Carbon dioxide. Hydrogen bromide. Chlorine compounds.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Toxicological data

Product	Species	Test Results
TETRABROMO BISPHENOL-A POLYCARBONATE (CAS Proprietary)		
Acute		
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg
Sensitization	None known.	
Acute effects	May cause discomfort if swallowed.	
Local effects	Dusts may irritate the respiratory tract, skin and eyes.	
Carcinogenicity	None known.	
Mutagenicity	None known.	
Reproductive effects	None known.	
Teratogenicity	None known.	

12. Ecological Information

Ecotoxicity	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	None known.
Bioaccumulation / Accumulation	None known.
Mobility in environmental media	The product is insoluble in water and will sediment in water systems.

13. Disposal Considerations

Disposal instructions	Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Do not discharge into rivers, lakes, mountains, etc. because the product may affect the environment.
Contaminated packaging	Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Not regulated as a hazardous material by DOT.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

TDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
Section 302 extremely hazardous substance (40 CFR 355, Appendix A)	No
Section 311/312 (40 CFR 370)	No
Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)	Not controlled
Canadian regulations	This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
WHMIS status	Non-controlled

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

State regulations**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Not listed.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Not regulated.

Mexico regulations	This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).
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16. Other Information

Further information	HMIS® is a registered trade and service mark of the NPCA. B - Safety Glasses, Gloves
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HMIS® ratings	Health: 0 Flammability: 1 Physical hazard: 0 Personal protection: B
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NFPA ratings	Health: 0 Flammability: 1 Instability: 0
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Disclaimer	This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.
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MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name Tetrabromobishydroxyphenylfluorene polycarbonate
Version # 01
Issue date 06-11-2012
Revision date -
Supersedes date -
CAS # Proprietary
Product use Industrial chemical.
Manufacturer/Supplier VanDeMark Chemical Inc.
 1 North Transit Road, Lockport, NY 14094, USA
Telephone +1 716-433-6764
Emergency Emergency telephone +1-800-424-9300, North America

2. Hazards Identification

Physical state Solid.
Appearance Solid.
OSHA regulatory status This product is not hazardous according to OSHA 29CFR 1910.1200.
Potential health effects
Eyes Dust in the eyes will cause irritation.
Skin Dust may irritate skin.
Inhalation Dust may irritate respiratory system or lungs.
Ingestion May cause discomfort if swallowed.
Target organs Eyes. Respiratory system.
Potential environmental effects The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Tetrabromobishydroxyphenylfluorene polycarbonate	Proprietary	100

4. First Aid Measures

First aid procedures
Eye contact Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.
Skin contact Rinse with water. Get medical attention promptly if symptoms persist or occur after washing. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn.
Inhalation In case of inhalation of dusts or fumes from heated product: Move injured person into fresh air and keep person calm under observation. Get medical attention if any discomfort continues.
Ingestion Rinse mouth thoroughly. Large quantities: Get medical attention if symptoms occur.
Notes to physician Treat symptomatically.
General advice First aid personnel must be aware of own risk during rescue.

5. Fire Fighting Measures

Extinguishing media
Suitable extinguishing media Extinguish with foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media None.

Protection of firefighters**Specific hazards arising from the chemical**

Dust may form explosive mixture with air. During fire, gases hazardous to health may be formed.

Fire fighting equipment/instructions

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental Release Measures**Personal precautions**

Avoid inhalation of dust. See Section 8 of the MSDS for Personal Protective Equipment.

Environmental precautions

Do not allow to enter drains, sewers or watercourses.

Methods for cleaning up

Collect and dispose of spillage as indicated in Section 13 of the MSDS.

Other information

Clean up in accordance with all applicable regulations.

7. Handling and Storage**Handling**

Avoid inhalation of dust. Avoid prolonged and repeated contact. Use work methods which minimize dust production. Wear appropriate personal protective equipment.

Storage

Store in closed original container in a dry place.

8. Exposure Controls / Personal Protection**Occupational exposure limits****US. ACGIH Threshold Limit Values**

Additional components	Type	Value	Form
Dust	TWA	3 mg/m3 10 mg/m3	Respirable particles. Inhalable particles.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Additional components	Type	Value	Form
Dust	PEL	5 mg/m3 15 mg/m3	Respirable fraction. Total dust.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Additional components	Type	Value	Form
Dust	TWA	5 mg/m3 15 mg/m3 50 mppcf 15 mppcf	Respirable fraction. Total dust. Total dust. Respirable fraction.

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Additional components	Type	Value	Form
Dust	TWA	3 mg/m3 10 mg/m3	Respirable particles. Total particulate.

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Additional components	Type	Value	Form
Dust	TWA	3 mg/m3 10 mg/m3	Respirable fraction. Total dust.

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Additional components	Type	Value	Form
Dust	TWA	3 mg/m3 10 mg/m3	Respirable particles. Inhalable

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Additional components	Type	Value	Form
Dust	TWA	10 mg/m3	Total dust.

Exposure guidelines

No exposure limits noted for ingredient(s). Above occupational exposure limits are values for general particles.

Engineering controls

Observe occupational exposure limits and minimize the risk of inhalation of dust. Provide explosion-proof ventilation for high dust concentrations.

Personal protective equipment**Eye / face protection**

Use tight fitting goggles if dust is generated. If contact with hot material may occur, safety glasses and face shield are recommended.

Skin protection	For prolonged or repeated skin contact use suitable protective gloves. When material is heated, wear gloves to protect against thermal burns.
Respiratory protection	Wear respirator if there is dust formation. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. When the product is heated, use suitable respiratory equipment with gas filter for organic gas.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties

Appearance	Solid.
Physical state	Solid.
Form	Solid.
Color	Clear or opaque.
Odor	Odorless.
Odor threshold	Not available.
pH	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Boiling point	Not available.
Melting point/Freezing point	Not available.
Solubility (water)	Insoluble in water
Specific gravity	1.82
Flash point	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	Not available.
Other data	
Decomposition temperature	761 °F (405 °C)

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under normal temperature conditions.
Conditions to avoid	Avoid conditions which create dust.
Incompatible materials	No data available.
Hazardous decomposition products	During combustion: Carbon monoxide. Carbon dioxide. Phenol. Hydrocarbons. Hydrogen bromide.
Possibility of hazardous reactions	Dust may form explosive mixture with air.

11. Toxicological Information

Toxicological data

Product	Species	Test Results
Tetrabromobishydroxyphenylfluorene polycarbonate (CAS Proprietary)		
Acute		
<i>Oral</i>		
LD50	Rat	> 3980 mg/kg
Sensitization	None known.	
Acute effects	May cause discomfort if swallowed.	
Local effects	Dusts may irritate the respiratory tract, skin and eyes.	
Carcinogenicity	None known.	
Mutagenicity	None known.	

Reproductive effects	None known.
Teratogenicity	None known.

12. Ecological Information

Ecotoxicity	The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
Persistence and degradability	None known.
Bioaccumulation / Accumulation	None known.
Mobility in environmental media	The product is insoluble in water and will sediment in water systems.

13. Disposal Considerations

Disposal instructions	Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Do not discharge into drains, water courses or onto the ground.
Waste from residues / unused products	Dispose of in accordance with local regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT	Not regulated as a hazardous material by DOT.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
TDG	Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
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CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)	None
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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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Section 302 extremely hazardous substance (40 CFR 355, Appendix A)	No
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Section 311/312 (40 CFR 370)	No
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Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)	Not controlled
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Canadian regulations	This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
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WHMIS status	Non-controlled
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Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

State regulations**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Not listed.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Not regulated.

Mexico regulations

This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

16. Other Information**Further information**

HMIS® is a registered trade and service mark of the NPCA. B - Safety Glasses, Gloves

HMIS® ratings

Health: 1
Flammability: 1
Physical hazard: 0
Personal protection: B

NFPA ratings

Health: 1
Flammability: 1
Instability: 0

Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

Issuing Date 30-Jul-2007

Revision Date 29-Jul-2011

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Vilsmeier Reagent, 95%
UN-Number UN2923
Recommended Use Chemical intermediate
Synonyms N,N-Dimethylchloromethyliminium Chloride

Supplier Address

VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094
Telephone: 716 433-6764

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Corrosive
The product causes burns of eyes, skin and mucous membranes.
Harmful by inhalation, in contact with skin and if swallowed
Contains a known or suspected reproductive toxin
May cause harm to the unborn child
Reacts violently with water
Moisture sensitive

Appearance White

Physical State Solid, Crystalline.

Odor Acrid, Ammoniacal

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Principle Routes of Exposure Eye contact. Skin contact.

Acute Toxicity

Eyes

Causes burns. Corrosive to the eyes and may cause severe damage including blindness. Risk of serious damage to eyes.

Skin

Causes burns. Contact causes severe skin irritation and possible burns. Harmful in contact with skin.

Inhalation

Harmful by inhalation. Corrosive to nose, throat and respiratory tract

Ingestion

Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract.

Chronic Effects

No known effect based on information supplied.

Aggravated Medical Conditions

Pre-existing eye disorders. Kidney disorders. Liver disorders. Skin disorders.

Environmental Hazard

See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name Vilsmeier Reagent.
Formula C₃H₇C₁₂N

Chemical Name	CAS-No	Weight %
N,N-Dimethylchloromethyliminium Chloride	3724-43-4	95-99
Dimethylformamide	68-12-2	1-5

4. FIRST AID MEASURES

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Call a physician immediately.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician or Poison Control Center immediately.

Ingestion Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician or Poison Control Center immediately. Rinse mouth.

Notes to Physician Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Symptoms may be delayed. Keep victim under observation. Treat symptomatically.

Protection of First-aiders Use personal protective equipment. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

5. FIRE-FIGHTING MEASURES

Flammable Properties Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Contact with metals may evolve flammable hydrogen gas. Containers may explode when heated.

Flash Point 200°F / > 93°C

Suitable Extinguishing Media Carbon dioxide (CO₂). Dry powder. Dry chemical. Move containers from fire area if you can do it without risk. Dike fire control water for later disposal; do not scatter the material.

Unsuitable Extinguishing Media DO NOT USE WATER OR FOAM.

Hazardous Combustion Products Hydrogen chloride. Carbon oxides. Nitrogen oxides (NO_x).

Explosion Data

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

Specific Hazards Arising from the Chemical The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

Protective Equipment and Precautions for Firefighters Corrosive hazard. Wear protective gloves/clothing and eye/face protection. As in any fire, wear self-contained breathing apparatus and full protective gear.

NFPA **Health Hazard 3** **Flammability 0** **Instability 0** **Physical and Chemical Hazards W**

HMIS **Health Hazard 3*** **Flammability 0** **Physical Hazard 0** **Personal Protection G**

**Indicates a chronic health hazard.*

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not touch or walk through spilled material. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
Environmental Precautions	Should not be released into the environment. Prevent product from entering drains. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.
Methods for Containment	Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Prevent dust cloud.
Methods for Cleaning Up	Prevent product from entering drains. Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.
Other Information	DO NOT GET WATER on spilled substance or inside containers Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors/dust. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Avoid dust formation. Reacts violently with water.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children. Store contents under nitrogen Keep away from heat. Keep at temperatures below 15°C / 60°F. Shelf life 6 months.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Dimethylformamide 68-12-2	TWA: 10 ppm S*	TWA: 10 ppm TWA: 30 mg/m ³ (vacated) TWA: 10 ppm (vacated) TWA: 30 mg/m ³ (vacated) S*	IDLH: 500 ppm TWA: 10 ppm TWA: 30 mg/m ³

Legend

S* - Skin Absorber

Immediately Dangerous to Life or Health.

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection

Tightly fitting safety goggles. Face-shield.

Skin and Body Protection

No special protective equipment required.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing. Wash hands and face before breaks and immediately after handling the product.. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White.	Odor	Acrid, Ammoniacal.
Odor Threshold	No information available	Physical State	Solid Crystalline
pH	Not applicable		
Flash Point	200°F / > 93°C	Autoignition Temperature	No information available.
Decomposition Temperature	No information available.	Boiling Point/Boiling Range	Not applicable
Melting Point/Range	139-141°C / 282-286°F		
Flammability Limits in Air	No information available.	Explosion Limits	No information available.
Specific Gravity	0.756	Water Solubility	Reacts with water (Very hygroscopic)
Solubility	Chloroform	Evaporation Rate	No information available
Vapor Pressure	1 hPa @ 20°C	Vapor Density	No data available
VOC Content (%)	5%		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions. Stable up to 80°C Unstable on exposure to moisture. Reacts violently with water.
Incompatible Products	Water. Alcohols. Amines. Bases.
Conditions to Avoid	Excessive heat. Exposure to air. Very hygroscopic; protect from moisture.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors. Dimethyl formamide, Carbon oxides., Nitrogen oxides (NOx).
Hazardous Reactions	Reacts violently with water.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

LD50 Oral:	200-466 mg/kg (rat)
LD50 Dermal:	>2000 mg/kg (rat)

Inhalation	Harmful by inhalation.
Eye Contact	Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage.
Skin Contact	Harmful in contact with skin. Corrosive. The product causes burns of eyes, skin and mucous membranes. Causes severe skin burns.
Ingestion	Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dimethylformamide	= 200 mg/kg (Rat)	> 3.2 g/kg (Rat)	

Chronic Toxicity

Carcinogenicity	Contains no ingredient listed as a carcinogen.
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Chemical Name	ACGIH	IARC	NTP	OSHA
Dimethylformamide		Group 3		

Sensitization	No information available.
Mutagenic Effects	No information available.
Reproductive Toxicity	May cause harm to the unborn child.
Developmental Toxicity	May be a developmental hazard based on animal data.
Teratogenic	No information available.
Target Organ Effects	Central vascular system (CVS). Eyes. Kidney. Liver. Respiratory system. Skin.
Neurological Effects	No information available.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Reacts with water so no ecotoxicity data for the substance is available Ecotoxicity effects of component substances.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Dimethylformamide	EC50 96 h: > 500 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 10410 mg/L flow-through (Pimephales promelas) LC50 96 h: = 6300 mg/L (Lepomis macrochirus) LC50 96 h: = 9800 mg/L flow- through (Oncorhynchus mykiss)	EC50 = 2000 mg/L 5 min EC50 = 570 mg/L 240 h	EC50 48 h: 6800 - 13900 mg/L Static (Daphnia magna) EC50 48 h: = 7500 mg/L (Daphnia magna) EC50 48 h: = 8485 mg/L semi-static (Daphnia magna)

Persistence and Degradability

No product level data available. For Dimethyl formamide. : BOD5=0.9 mg 02.1

Bioaccumulation

Product does not bioaccumulate due to reaction with water.
For Dimethyl formamide : BCF 0.3-1.2 (fish, 56 days @ 25°C).

Mobility

Reacts with water and forms dimethyl formamide and hydrochloric acid.

Chemical Name	Log Pow
Dimethylformamide	-1.028

13. DISPOSAL CONSIDERATIONS**Waste Disposal Methods**

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Should not be released into the environment.

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

US EPA Waste Number

D002
D003

14. TRANSPORT INFORMATION**DOT**

UN-Number	UN2923
Proper shipping name	Corrosive solids, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
Description	UN2923, Corrosive solids, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8, (6.1), PG II
Emergency Response Guide Number	154

TDG

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	(6.1)
Packing Group	II
Description	UN2923, CORROSIVE SOLID, TOXIC, N.O.S. (N,N-Dimethylchloromethyliminium Chloride), 8, (6.1), PG II

MEX

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
Description	UN2923 Corrosive solid, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8, (6.1), II

ICAO

UN-Number	UN2923
Proper shipping name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
Description	UN2923, Corrosive solid, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8, (6.1), PG II

IATA

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
ERG Code	8P
Description	UN2923, Corrosive solid, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8, (6.1), PG II

IMDG/IMO

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
EmS No.	F-A, S-B
Description	UN2923, Corrosive solid, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8, (6.1), PG II

RID

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Packing Group	II
Classification Code	CT2
Description	UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II
ADR/RID-Labels	8 + 6.1

ADR

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Packing Group	II
Classification Code	CT2
Description	UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II (E)
ADR/RID-Labels	8 + 6.1

ADN

UN-No	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Packing Group	II
Classification Code	CT2
Special Provisions	274, 802
Description	UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II
Hazard Labels	8 + 6.1
Limited Quantity	LQ23

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Complies; All components are listed either on the DSL or NDSL.
EINECS	Complies
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Dimethylformamide	68-12-2	5-10	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
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Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	Yes

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Dimethylformamide	X	X	X	X	X

International Regulations**Mexico - Grade**

Serious risk, Grade 3

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2A Very toxic materials

E Corrosive material

**Legend**

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION**Prepared By**

Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Issuing Date

30-Jul-2007

Revision Date

29-Jul-2011

Revision Note

Name change. Update to Format. (M)SDS sections updated. 1. 15. 16.

General Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

Issuing Date 30-Jul-2007

Revision Date 29-Jul-2011

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Vilsmeier Reagent, 95%
UN-Number UN2923
Recommended Use Chemical intermediate
Synonyms N,N-Dimethylchloromethyliminium Chloride

Supplier Address

VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094
Telephone: 716 433-6764

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Corrosive
The product causes burns of eyes, skin and mucous membranes.
Harmful by inhalation, in contact with skin and if swallowed
Contains a known or suspected reproductive toxin
May cause harm to the unborn child
Reacts violently with water
Moisture sensitive

Appearance White

Physical State Solid, Crystalline.

Odor Acrid, Ammoniacal

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Principle Routes of Exposure Eye contact. Skin contact.

Acute Toxicity

Eyes

Causes burns. Corrosive to the eyes and may cause severe damage including blindness. Risk of serious damage to eyes.

Skin

Causes burns. Contact causes severe skin irritation and possible burns. Harmful in contact with skin.

Inhalation

Harmful by inhalation. Corrosive to nose, throat and respiratory tract

Ingestion

Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract.

Chronic Effects

No known effect based on information supplied.

Aggravated Medical Conditions

Pre-existing eye disorders. Kidney disorders. Liver disorders. Skin disorders.

Environmental Hazard

See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name Vilsmeier Reagent.
Formula C₃H₇C₁₂N

Chemical Name	CAS-No	Weight %
N,N-Dimethylchloromethyliminium Chloride	3724-43-4	95-99
Dimethylformamide	68-12-2	1-5

4. FIRST AID MEASURES

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Call a physician immediately.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician or Poison Control Center immediately.

Ingestion Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician or Poison Control Center immediately. Rinse mouth.

Notes to Physician Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Symptoms may be delayed. Keep victim under observation. Treat symptomatically.

Protection of First-aiders Use personal protective equipment. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

5. FIRE-FIGHTING MEASURES

Flammable Properties Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Contact with metals may evolve flammable hydrogen gas. Containers may explode when heated.

Flash Point 200°F / > 93°C

Suitable Extinguishing Media Carbon dioxide (CO₂). Dry powder. Dry chemical. Move containers from fire area if you can do it without risk. Dike fire control water for later disposal; do not scatter the material.

Unsuitable Extinguishing Media DO NOT USE WATER OR FOAM.

Hazardous Combustion Products Hydrogen chloride. Carbon oxides. Nitrogen oxides (NO_x).

Explosion Data

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

Specific Hazards Arising from the Chemical The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

Protective Equipment and Precautions for Firefighters Corrosive hazard. Wear protective gloves/clothing and eye/face protection. As in any fire, wear self-contained breathing apparatus and full protective gear.

NFPA	Health Hazard 3	Flammability 0	Instability 0	Physical and Chemical Hazards W
HMIS	Health Hazard 3*	Flammability 0	Physical Hazard 0	Personal Protection G

*Indicates a chronic health hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not touch or walk through spilled material. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
Environmental Precautions	Should not be released into the environment. Prevent product from entering drains. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.
Methods for Containment	Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Prevent dust cloud.
Methods for Cleaning Up	Prevent product from entering drains. Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.
Other Information	DO NOT GET WATER on spilled substance or inside containers Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors/dust. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Avoid dust formation. Reacts violently with water.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children. Store contents under nitrogen Keep away from heat. Keep at temperatures below 15°C / 60°F. Shelf life 6 months.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Dimethylformamide 68-12-2	TWA: 10 ppm S*	TWA: 10 ppm TWA: 30 mg/m ³ (vacated) TWA: 10 ppm (vacated) TWA: 30 mg/m ³ (vacated) S*	IDLH: 500 ppm TWA: 10 ppm TWA: 30 mg/m ³

Legend

S* - Skin Absorber

Immediately Dangerous to Life or Health.

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection

Tightly fitting safety goggles. Face-shield.

Skin and Body Protection

No special protective equipment required.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing. Wash hands and face before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White.	Odor	Acrid, Ammoniacal.
Odor Threshold	No information available	Physical State	Solid Crystalline
pH	Not applicable		
Flash Point	200°F / > 93°C	Autoignition Temperature	No information available.
Decomposition Temperature	No information available.	Boiling Point/Boiling Range	Not applicable
Melting Point/Range	139-141°C / 282-286°F		
Flammability Limits in Air	No information available.	Explosion Limits	No information available.
Specific Gravity	0.756	Water Solubility	Reacts with water (Very hygroscopic)
Solubility	Chloroform	Evaporation Rate	No information available
Vapor Pressure	1 hPa @ 20°C	Vapor Density	No data available
VOC Content (%)	5%		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions. Stable up to 80°C Unstable on exposure to moisture. Reacts violently with water.
Incompatible Products	Water. Alcohols. Amines. Bases.
Conditions to Avoid	Excessive heat. Exposure to air. Very hygroscopic; protect from moisture.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors. Dimethyl formamide, Carbon oxides., Nitrogen oxides (NOx).
Hazardous Reactions	Reacts violently with water.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

LD50 Oral:	200-466 mg/kg (rat)
LD50 Dermal:	>2000 mg/kg (rat)

Inhalation	Harmful by inhalation.
Eye Contact	Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage.
Skin Contact	Harmful in contact with skin. Corrosive. The product causes burns of eyes, skin and mucous membranes. Causes severe skin burns.
Ingestion	Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dimethylformamide	= 200 mg/kg (Rat)	> 3.2 g/kg (Rat)	

Chronic Toxicity

Carcinogenicity	Contains no ingredient listed as a carcinogen.
------------------------	--

Chemical Name	ACGIH	IARC	NTP	OSHA
Dimethylformamide		Group 3		

Sensitization	No information available.
Mutagenic Effects	No information available.
Reproductive Toxicity	May cause harm to the unborn child.
Developmental Toxicity	May be a developmental hazard based on animal data.
Teratogenic	No information available.
Target Organ Effects	Central vascular system (CVS). Eyes. Kidney. Liver. Respiratory system. Skin.
Neurological Effects	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Reacts with water so no ecotoxicity data for the substance is available Ecotoxicity effects of component substances.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Dimethylformamide	EC50 96 h: > 500 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 10410 mg/L flow-through (Pimephales promelas) LC50 96 h: = 6300 mg/L (Lepomis macrochirus) LC50 96 h: = 9800 mg/L flow- through (Oncorhynchus mykiss)	EC50 = 2000 mg/L 5 min EC50 = 570 mg/L 240 h	EC50 48 h: 6800 - 13900 mg/L Static (Daphnia magna) EC50 48 h: = 7500 mg/L (Daphnia magna) EC50 48 h: = 8485 mg/L semi-static (Daphnia magna)

Persistence and Degradability

No product level data available. For Dimethyl formamide. : BOD5=0.9 mg 02.1

Bioaccumulation

Product does not bioaccumulate due to reaction with water.
For Dimethyl formamide : BCF 0.3-1.2 (fish, 56 days @ 25°C).

Mobility

Reacts with water and forms dimethyl formamide and hydrochloric acid.

Chemical Name	Log Pow
Dimethylformamide	-1.028

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Should not be released into the environment.

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

US EPA Waste Number

D002
D003

14. TRANSPORT INFORMATION**DOT**

UN-Number	UN2923
Proper shipping name	Corrosive solids, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
Description	UN2923, Corrosive solids, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8(6.1), PG II
Emergency Response Guide Number	154

TDG

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	(6.1)
Packing Group	II
Description	UN2923, CORROSIVE SOLID, TOXIC, N.O.S. (N,N-Dimethylchloromethyliminium Chloride), 8(6.1), PG II

MEX

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
Description	UN2923 Corrosive solid, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8(6.1), II

ICAO

UN-Number	UN2923
Proper shipping name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
Description	UN2923, Corrosive solid, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8(6.1), PG II

IATA

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
ERG Code	8P
Description	UN2923, Corrosive solid, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8(6.1), PG II

IMDG/IMO

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
EmS No.	F-A, S-B
Description	UN2923, Corrosive solid, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8(6.1), PG II

RID

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Packing Group	II
Classification Code	CT2
Description	UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II
ADR/RID-Labels	8 + 6.1

ADR

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Packing Group	II
Classification Code	CT2
Description	UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II (E)
ADR/RID-Labels	8 + 6.1

ADN

UN-No	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Packing Group	II
Classification Code	CT2
Special Provisions	274, 802
Description	UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II
Hazard Labels	8 + 6.1
Limited Quantity	LQ23

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Complies; All components are listed either on the DSL or NDSL.
EINECS	Complies
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Dimethylformamide	68-12-2	5-10	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
----------------------------	-----

Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	Yes

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Dimethylformamide	X	X	X	X	X

International Regulations

Mexico - Grade Serious risk, Grade 3

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2A Very toxic materials

E Corrosive material

**Legend**

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Prepared By	Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501
Issuing Date	30-Jul-2007
Revision Date	29-Jul-2011
Revision Note	Name change. Update to Format. (M)SDS sections updated. 1. 15. 16.

General Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

Issuing Date 30-Jul-2007

Revision Date 29-Jul-2011

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Vilsmeier Reagent, 97%
UN-Number UN2923
Recommended Use Chemical intermediate
Synonyms N,N-Dimethylchloromethyliminium Chloride

Supplier Address

VanDeMark Chemical Inc.
1 North Transit Road
Lockport, NY 14094
Telephone: 716 433-6764

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Corrosive
The product causes burns of eyes, skin and mucous membranes.
Harmful by inhalation, in contact with skin and if swallowed
Contains a known or suspected reproductive toxin
May cause harm to the unborn child
Reacts violently with water
Moisture sensitive

Appearance White **Physical State** Solid, Crystalline. **Odor** Acrid, Ammoniacal

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Principle Routes of Exposure Eye contact. Skin contact.

Acute Toxicity

Eyes Causes burns. Corrosive to the eyes and may cause severe damage including blindness. Risk of serious damage to eyes.

Skin Causes burns. Contact causes severe skin irritation and possible burns. Harmful in contact with skin.

Inhalation Harmful by inhalation. Corrosive to nose, throat and respiratory tract
Ingestion Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract.

Chronic Effects No known effect based on information supplied.

Aggravated Medical Conditions Pre-existing eye disorders. Kidney disorders. Liver disorders. Skin disorders.

Environmental Hazard See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name Vilsmeier Reagent.
Formula C₃H₇C₁₂N

Chemical Name	CAS-No	Weight %
N,N-Dimethylchloromethyliminium Chloride	3724-43-4	97-99
Dimethylformamide	68-12-2	1-3

4. FIRST AID MEASURES

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Call a physician immediately.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician or Poison Control Center immediately.

Ingestion Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician or Poison Control Center immediately. Rinse mouth.

Notes to Physician Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Symptoms may be delayed. Keep victim under observation. Treat symptomatically.

Protection of First-aiders Use personal protective equipment. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

5. FIRE-FIGHTING MEASURES

Flammable Properties Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Contact with metals may evolve flammable hydrogen gas. Containers may explode when heated.

Flash Point 200°F / > 93°C

Suitable Extinguishing Media Carbon dioxide (CO₂). Dry powder. Dry chemical. Move containers from fire area if you can do it without risk. Dike fire control water for later disposal; do not scatter the material.

Unsuitable Extinguishing Media DO NOT USE WATER OR FOAM.

Hazardous Combustion Products Hydrogen chloride. Carbon oxides. Nitrogen oxides (NO_x).

Explosion Data

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

Specific Hazards Arising from the Chemical The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

Protective Equipment and Precautions for Firefighters Corrosive hazard. Wear protective gloves/clothing and eye/face protection. As in any fire, wear self-contained breathing apparatus and full protective gear.

NFPA	Health Hazard 3	Flammability 0	Instability 0	Physical and Chemical Hazards W
HMIS	Health Hazard 3*	Flammability 0	Physical Hazard 0	Personal Protection G

**Indicates a chronic health hazard.*

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not touch or walk through spilled material. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
Environmental Precautions	Should not be released into the environment. Prevent product from entering drains. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.
Methods for Containment	Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Prevent dust cloud.
Methods for Cleaning Up	Prevent product from entering drains. Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.
Other Information	DO NOT GET WATER on spilled substance or inside containers. Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors/dust. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Avoid dust formation. Reacts violently with water.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children. Store contents under nitrogen Keep away from heat. Keep at temperatures below 15°C / 60°F. Shelf life 6 months.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Dimethylformamide 68-12-2	TWA: 10 ppm S*	TWA: 10 ppm TWA: 30 mg/m ³ (vacated) TWA: 10 ppm (vacated) TWA: 30 mg/m ³ (vacated) S*	IDLH: 500 ppm TWA: 10 ppm TWA: 30 mg/m ³

Legend

S* - Skin Absorber

Immediately Dangerous to Life or Health.

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection

Tightly fitting safety goggles. Face-shield.

Skin and Body Protection

No special protective equipment required.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing. Wash hands and face before breaks and immediately after handling the product.. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White.	Odor	Acrid, Ammoniacal.
Odor Threshold	No information available	Physical State	Solid Crystalline
pH	Not applicable		
Flash Point	200°F / > 93°C	Autoignition Temperature	No information available.
Decomposition Temperature	No information available.	Boiling Point/Boiling Range	Not applicable
Melting Point/Range	139-141°C / 282-286°F		
Flammability Limits in Air	No information available.	Explosion Limits	No information available.
Specific Gravity	0.756	Water Solubility	Reacts with water (Very hygroscopic)
Solubility	Chloroform	Evaporation Rate	No information available
Vapor Pressure	1 hPa @ 20°C	Vapor Density	No data available
VOC Content (%)	5%		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions. Stable up to 80°C Unstable on exposure to moisture. Reacts violently with water.
Incompatible Products	Water. Alcohols. Amines. Bases.
Conditions to Avoid	Excessive heat. Exposure to air. Very hygroscopic; protect from moisture.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors. Dimethyl formamid, Carbon oxides., Nitrogen oxides (NOx).
Hazardous Reactions	Reacts violently with water.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

LD50 Oral:	200-466 mg/kg (rat)
LD50 Dermal:	>2000 mg/kg (rat)

Inhalation Harmful by inhalation.

Eye Contact Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage.

Skin Contact Harmful in contact with skin. Corrosive. The product causes burns of eyes, skin and mucous membranes. Causes severe skin burns.

Ingestion Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dimethylformamide	= 200 mg/kg (Rat)	> 3.2 g/kg (Rat)	

Chronic Toxicity

Carcinogenicity Contains no ingredient listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Dimethylformamide		Group 3		

Sensitization No information available.

Mutagenic Effects No information available.

Reproductive Toxicity May cause harm to the unborn child.

Developmental Toxicity May be a developmental hazard based on animal data.

Target Organ Effects Central vascular system (CVS). Eyes. Kidney. Liver. Respiratory system. Skin.

Neurological Effects No information available.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Reacts with water so no ecotoxicity data for the substance is available. Ecotoxicity effects of component substances.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Dimethylformamide	EC50 96 h: > 500 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 10410 mg/L flow-through (Pimephales promelas) LC50 96 h: = 6300 mg/L (Lepomis macrochirus) LC50 96 h: = 9800 mg/L flow- through (Oncorhynchus mykiss)	EC50 = 2000 mg/L 5 min EC50 = 570 mg/L 240 h	EC50 48 h: 6800 - 13900 mg/L Static (Daphnia magna) EC50 48 h: = 7500 mg/L (Daphnia magna) EC50 48 h: = 8485 mg/L semi-static (Daphnia magna)

Persistence and Degradability

No product level data available For Dimethyl formamide. : BOD5=0.9 mg O2.1

Bioaccumulation

Product does not bioaccumulate due to reaction with water.
For Dimethyl formamide : BCF 0.3-1.2 (fish, 56 days @ 25°C).

Mobility

Reacts with water and forms dimethyl formamide and hydrochloric acid.

Chemical Name	Log Pow
Dimethylformamide	-1.028

13. DISPOSAL CONSIDERATIONS**Waste Disposal Methods**

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Should not be released into the environment.

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

US EPA Waste Number

D002
D003

14. TRANSPORT INFORMATION**DOT**

UN-Number	UN2923
Proper shipping name	Corrosive solids, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
Description	UN2923, Corrosive solids, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8, (6.1), PG II
Emergency Response Guide Number	154

TDG

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	(6.1)
Packing Group	II
Description	UN2923, CORROSIVE SOLID, TOXIC, N.O.S. (N,N-Dimethylchloromethyliminium Chloride), 8(6.1), PG II

MEX

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
Description	UN2923 Corrosive solid, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8(6.1), II

ICAO

UN-Number	UN2923
Proper shipping name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
Description	UN2923, Corrosive solid, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8(6.1), PG II

IATA

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
ERG Code	8P

Description	UN2923, Corrosive solid, toxic, n.o.s. (N,N-Dimethylchloromethyliminium Chloride), 8(6.1), PG II
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IMDG/IMO

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.

Hazard Class	8
Subsidiary Class	6.1
Packing Group	II
EmS No.	F-A, S-B
Description	UN2923, Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),PG II

RID

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Packing Group	II
Classification Code	CT2
Description	UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II
ADR/RID-Labels	8 + 6.1

ADR

UN-Number	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Packing Group	II
Classification Code	CT2
Description	UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II (E)
ADR/RID-Labels	8 + 6.1

ADN

UN-No	UN2923
Proper Shipping Name	Corrosive solid, toxic, n.o.s.
Hazard Class	8
Packing Group	II
Classification Code	CT2
Special Provisions	274, 802
Description	UN2923 Corrosive solid, toxic, n.o.s.(N,N-Dimethylchloromethyliminium Chloride),8(6.1),II
Hazard Labels	8 + 6.1
Limited Quantity	LQ23

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Complies; All components are listed either on the DSL or NDSL.
EINECS	Complies
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
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KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Dimethylformamide	68-12-2	3-7	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	Yes

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Dimethylformamide	X	X	X	X	X

International Regulations

Mexico - Grade Serious risk, Grade 3

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2A Very toxic materials

E Corrosive material

**Legend**

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Prepared By	Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501
Issuing Date	30-Jul-2007
Revision Date	29-Jul-2011
Revision Note	Name change. Update to Format. (M)SDS sections updated. 1. 15. 16.

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End of Safety Data Sheet

Search for

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











































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Items per page 100

Product Name	Manufacturer Name	Mfg Part #
(Acryloyloxy) Ethyl n-butyl Carbamate	VanDeMark Inc.	
1,1,3,3-Tetraethylurea	Alfa Aesar	
1,1-Ethylidene bis (3,4-dimethylbenzene)	TCI America	B1044
1,2,4-trichlorobenzene	Sigma	296104-100
1,2-Dicarbobenzyloxyhydrazine	Sigma Sigma-Aldrich	S349003
1,2-Dichlorobenzene	Baker	9233-03
1,4-Dichlorobenzene	Sigma-Aldrich	D5,682-9
1,4-trans-cyclohexyldiamine	DuPont	
1,4-trans-cyclohexyldiisocyanate	DuPont	
1-butanol	EMD	BX1777-6
1-chlorobutane	Sigma-Aldrich	125008
1-chlorohexadecane	Sigma-Aldrich	245623
1-Methyl-2-Pyrrolidinone	Sigma Aldrich Chemical Company Inc. / SAFC	270458
1-Methylimidazole	Sigma Aldrich Chemical Company Inc. / SAFC	336092
1-Propanol	EMD	PX1824-1
2 - Hydroxyethylacrylate	Aldrich	292818
2,4-Dichlorobenzyl Alcohol	Sigma Aldrich Chemical Company Inc.	146668
2,4-Dichlorobenzyl chloride	Aldrich	
2,4-Dichlorotoluene	Acros	163282500
20w non-detergent oil	Cam 2	?
2-Butanone	EMD Chemicals	BX1670AI
2-Carbomethoxybenzene sulfonamide	DuPont	
2-Carbomethoxybenzenesulfonyl Isocyanate Solution in Xylene	VanDeMark Inc.	
2-chloro-3-methylpropane	Sigma-Aldrich	C28898
2-DCSM Antioxidant	CSCS Corporation	
2-Hydroxyethyl acrylate	Sigma-Aldrich	292818
2-Piperidineethanol	Aldrich	
2-Piperidineethanol	Sigma Aldrich Chemical Company Inc. / SAFC	433594
2-Propanol	EMD	PX1834-1
30w non-detergent oil	Cam 2	?
3-Sulfonylisocyanato-2-thiophenecarboxylate in Xylene	DuPont	INF-7641
4-(4-Nitrobenzyl)pyridine	Sigma Aldrich Chemical Company Inc. / SAFC	N14204
4-(Trifluoromethoxy)aniline	Sigma Aldrich Chemical Company Inc.	337056
4-(Trifluoromethoxy)phenyl Isocyanate	VanDeMark Inc.	
4-(Trifluoromethoxy)-phenyl Isocyanate	Sigma-Aldrich	348384
4-Bromoacetanilide	Sigma-Aldrich	161659-5g
4-Bromostyrene	Sigma Aldrich Chemical Company Inc. / SAFC	124141
4-Dimethylaminopyridine	Vertellus Specialities Inc	
4-methoxyphenol	Kodak	
4-Methoxyphenol	Sigma-Aldrich	M18655
4-Methoxyphenyl chloroformate	Sigma-Aldrich	322393
4-tert-Butylcatechol	Sigma Aldrich Chemical Company Inc. / SAFC	19671
4-Tert-Butylphenol	Sigma Aldrich Chemical Company Inc.	B99901
600w Super Cylinder Oil	Mobil	600w
64% Hydrazine Solution	Arch Chemicals Inc.	
67332	Dupont Company	
9,9-bis(3,5-dibromo-4-hydroxyphenyl)-fluorene	Paragon Chemical Technologies, Inc.	
AA test mix (50 ug/ml)	VHG Labs	ZVAN502-250
AC146410000	Fisher	
Acetic Acid	EMD	AX0073-9
Acetic Anhydride	Sigma Aldrich Chemical Company Inc. / SAFC	539996
acetone	EMD	AX0120-3
Acetone Oxime	Sigma Aldrich Chemical Company Inc.	A10507

 acetonitrile	Sigma-Aldrich	270717
 Acrylic Acid	Sigma Aldrich Chemical Company Inc. / SAFC	147230
 Acryloyl Chloride	Sigma Aldrich Chemical Company Inc. / SAFC	A24109
 Addista Color Standards	BYK Gardner	SCR-9532
 Adiponitrile	DuPont Chemicals	
 Aliquot 336	Sigma Aldrich Fluka Chemical Canada Co.	205613
 All Season Select Oil	Ingersol Rand	All Season Select
 Allen-Air 76 Oil	Allen-Air	76 Oil
 Allgrades	HARCROS	Allgrades
 Ameron PSX 34 Adhesive Kit	Ameron	PSX 34 3 & 5 oz.
 Amide Chloride	VanDeMark Inc.	
 Ammonium Chloride	EM Science	AX1277-1
 Ammonium Hydroxide	EMD	AX1303-3
 Ansulite 3X3 Low Viscosity (Alcohol Resistant Aff Concentrate).	Ansul Fire Protection U.S. Inc.	
 Aquastar Combicoulomat	EMD	1092570500
 Aquastar comp-2	EMD	AX1698BN-1
 Aquastar Solvent	EMD	1880151000
 Aquastar Titrant 2	EMD	1.88011.10
 Aquastar Water Standard 0.01%	EMD	1.88050.0010
 Aquastar Water Standard 0.1%	EMD	1.88051.0010
 Avel n 1525-90	VanDeMark Inc.	
 Avel n 925	VanDeMark Inc.	
 Avel N-374	VanDeMark Inc.	
 Barium Chloride	Alpha Aesar	12310
 Barium Chloride ACS Grade 20% WV.	Fisher Scientific	NC9655532
 Barrier Fluid FDA 22	Royal Purple	10114
 Belzona 1311	Belzona	1311
 Benzaldehyde	Sigma-Aldrich	B 133-4
 Benzamide	Sigma-Aldrich	135828
 Benzoic Acid	Aldrich	
 Benzoic Acid	Fluka	12349
 Benzyl Alcohol	Aldrich	
 Benzyl Carbazate	VanDeMark Inc.	
 Benzyl Carbazate - 99%	VanDeMark Inc.	
 Benzyl Chloride	Sigma-Aldrich	18555-8
 Benzyl Chloroformate	VanDeMark Inc.	
 Benzyl Chloroformate	Sigma Aldrich Chemical Company Inc. / SAFC	119938
 Benzyl Ether	Sigma-Aldrich	108014
 Benzyl Tributyl Ammonium Chloride	Aldrich	
 Benzyltrimethylammonium Chloride (228982)	Sigma Aldrich Chemical Company Inc. / SAFC	228982
 Boric Acid	Sigma-Aldrich	B0394
 BP Diesel Fuel, No. 2	BP America	
 Bromocresol Green	Sigma	B-0381
 Bromophenol Blue	Sigma-Aldrich	114391
 Buffer Solution pH 1.68	Ricca	1492-16
 Buffer Solution pH 10	Ricca	1601-16
 Buffer Solution pH 12.45	Ricca	1618-16

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











































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



























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 Product Name	 Manufacturer Name	Mfg Part #
 Buffer Solution pH 2.0	Ricca	1493-16
 Buffer Solution pH 4	Ricca	1501-16
 Buffer Solution pH 7	Ricca	1551-16
 Buffer Solution, Sulfate Type	Hach	452-49
 Butyl Isocyanate	Sigma-Aldrich	B95736
 butylamine	Sigma-Aldrich	47130-5
 Butylated Hydroxy Toluene	Aldrich	
 Butyronitrile	Sigma Aldrich Chemical Company Inc. / SAFC	45992
 Calcium Carbonate	Sigma Aldrich Chemical Company Inc. / SAFC	202932
 Calcium Chloride Solutions 20 To 38% (All Grades)	Harcros Chemical	
 Carbaester	VanDeMark Inc.	
 Carbon Monoxide	Praxair	P-4576-J
 Carbon Tetrachloride	Sigma-Aldrich	270652
 Chemline 784/32 - Part A (Resin)	Advanced Polymer Coatings	784
 ChemLine 784/32 - Part B (Catalyst)	Advanced Polymer Coatings	Catalyst 32 (Part B)
 Chlorine in Nitrogen	Matheson TrGas	
 Chloroform	Aldrich	270636
 Chloroform	EMD	CX1059-1
 Chloroformate de Phényle (Phenyl Chloroformate)	VanDeMark Chemical Inc.	
 Chromium	VHG Labs	ARCH-100
 CIP 100 Alkaline Process and Research Cleaner	Steris Scientific	1D10
 CIP 200 Acid Process and Research Cleaner	Steris Scientific	1D20
 Corrodine 930	The Metro Group, Inc.	
 Cresol Red	Sigma-Aldrich	C9877
 Crystal Violet	Sigma-Aldrich	C0775
 Cyclopentyl Chloroformate	VanDeMark Chemical	
 DDI Crude	VanDeMark Chemical	
 Decane	Sigma-Aldrich	457116
 Dessicant	EMD	DX0014-3
 Deuterium chloride solution	Aldrich	176729
 Devcon Plastic Steel Epoxy Putty	Devcon/Permatex	10240 1lb.
 Dibenzyl Azodicarboxylate	VanDeMark Inc.	
 Dibenzyl Carbonate	Sigma-Aldrich	477907
 Dibutylamine	Alpha Aesar	10145848
 Dibutylcarbamoyl Chloride	Sigma-Aldrich	518484
 Dibutylurea	Alpha Aesar	L06165
 Diethyl amine	Aldrich	110000
 Diethyl Carbonate	Sigma Aldrich Chemical Company Inc. / SAFC	517135
 Diethyl Iminodiacetate	Aldrich	
 Diethylamine	JT Baker	9216-01
 Diethylcarbamyl Chloride	Sigma-Aldrich	D91403
 Diethylhydroxylamine	Sigma-Aldrich	471593
 Diethyliminodiacetate	Kodak	
 Diethyliminodiacetate Carbomoyl Chloride - Liquid (DIDCC)	VanDeMark Inc.	
 Dimethyl Formamide	Aldrich	319937
 Dimethylcarbamyl Chloride	Sigma-Aldrich	D152803
 DI-N-Butylamine	Alfa Aesar	A11671
 Dioxane	Sigma-Aldrich	27309
 Diphenyl Carbonate	Sigma-Aldrich	D206539
 Diphenylamine	Sigma Aldrich Chemical Company Inc. / SAFC	242586
 Diphenylcarbamoyl Chloride	Sigma Aldrich Chemical Company Inc. / SAFC	153591
 Disodium EDTA Dihydrate	Aldrich	

	Dodecane	Sigma	D221104
	Dodecanoic Acid	Sigma	L4250
	Dow Corning 550 Fluid	Dow Corning	550
	DTE Heavy non-detergent oil	Mobil	Mobil #MODTCHY05
	Duboth 2000	The Metro Group, Inc.	
	Duboth S5	The Metro Group, Inc.	
	E6723	Dupont Company	
	Epa 8020/8240 Aromatic Volatiles Mix	Sigma Aldrich Chemical Company Inc. / SAFC	47504
	EPA 8020B Aromatic Volatile Organics Mix 1	Sigma Aldrich Chemical Company Inc.	48226-U
	Epa Phase V Volatile Organic Compounds Mix 9	Sigma Aldrich Chemical Company Inc. / SAFC	47399
	ESPI in Xylene Solution	DuPont	R-7125
	Ether	EMD	EX0190-3
	Ethyl Acetate	Aldrich	E7770
	Ethyl Acetate	Sigma-Aldrich	270520
	Ethyl Alcohol	Equistar	200 Proof Pure USP
	Ethyl Chloroformate	VanDeMark Inc.	
	Ethylbenzene	Fluka	03079-10mL
	Eucolastic Polyurethane Sealant	Euclid Chemical	10 oz. tube
	F7580	Dupont Company	
	Ferrover	Hach	21057-69
	FMO-200-AW	Lubriplate	FMO-200-AW
	Fuel Oil	BP Amoco Chemical Company	0000001749
	Gasoline (Generic)	Chevron Texaco Global Lubricants	
	Gear & Bearing Oil	Busch	VE 101
	Genetron 22	Honeywell International	
	Great Lakes BA-59P and BA-59PC	Chemtura USA Corporation	
	H6216	Dupont Company	
	H9507	Aldrich	H9507
	Heavy Duty PVC Cement	Oatey	31008
	Heptane	EMD	HX-0078-1
	Heptane	Interstate Chemical	
	Heptanesulfonate Sodium Salt	Alpha Aesar	A10917
	Hexadecane	Sigma-Aldrich	296317
	Hexaethyl Guanidinium Chloride	VanDeMark Inc.	
	Hexanes	Spectrum Chemical	HP682
	HTJ23	Dupont Company	
	Hyd/Turbine RO100	Cam 2	RO100
	Hyd/Turbine RO46	Cam 2	RO46
	Hydranal Composite 2	Riedel de Haen	34806
	Hydranal Solvent	Reidel-de-Haen	34800
	Hydranal Titrant 2NH	Reidel-de-Haen	34811
	Hydrochloric Acid	Brenntag	
	Hydrochloric Acid	EMD	HX0603A-3
	Hydrochloric Acid	VanDeMark Inc.	
	Hydrogen Chloride in Nitrogen	Matheson TriGas	
	Hydroxylamine 50% Free Base	BASF	50% Free Base
	Iodine	EMD	IX0125-2
	Iodomethane	Sigma Aldrich Chemical Company Inc. / SAFC	289566

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Product Name	Manufacturer Name	Mfg Part #
Iron	VHG Labs	AFEN-100
Isopropyl Alcohol	Sigma Aldrich Chemical Company Inc. / SAFC	I9782
Isopropyl Alcohol Anhydrous	Hukill Chemical Corp.	
Justeq 07	The Metro Group, Inc.	
Krytox	Dupont	#GPL207
LB400	Dupont Company	
LB401	Dupont Company	
LB402	Dupont Company	
Lauric Acid	Aldrich	W261408
Lauroyl Chloride	VanDeMark Inc.	
Leak Lock Joint Sealant Compound	Highside Chemical	684176-10016
Liquid Chlorine	Occidental Chemical Corp	
Lithium Chloride Solution	Mettler Toledo	C4193125
L-Phenylalanine	Science Lab.com	
L-Phenylalanine	Sigma-Aldrich	P2126
L-Phenylalanine Methyl Ester Hydrochloride	Sigma-Aldrich	P17202
Lysol Brand (Kills 99.9% of Viruses & Bacteria) Bathroom Cleaner Complete Clean	Reckitt Benckiser	0069807
Macol 25-15	BASF	
Macol EH-3	BASF	
Magnesium	Sigma Aldrich Chemical Company Inc. / SAFC	200905
Magnesium Sulfate	EMD	MX0075-1
methanol	EMD	MX0485-5
Methyl 3-Sulfamoyl-2-Thiophenecarboxylate	DuPont	A-5546
Methyl Alcohol	Aldrich	179337
Methyl Chloroformate	Lanxess	
Methyl Chloroformate	PPG Coatings and Resins	0028
Methyl Orange	Sigma-Aldrich	234109
Methyl Purple	Ricca	5040-4
Methyl Red	Sigma-Aldrich	M7267
Methyl Stearate	Penta	
Methyl Yellow	Alpha Aesar	B21145
Methyl-3-Sulfamoyl-2-thiophenecarboxylate	Dupont Crop Protection Company	A-5546
Methylamine	Sigma Aldrich Chemical Company Inc. / SAFC	295531
Methylamine Solution	Sigma Aldrich Chemical Company Inc. / SAFC	426466
Methylene Chloride	EMD	DX0831-1
Molecular Sieve	Alpha-Aesar	Alpha Aesar
Moly Chain/Pin Lubricant	Sprayon	LU202
Monochlorobenzene	Lanxess Corporation	
MSDS No.: M32415	Occidental Chemical Corp	MSDS No.: M32415
MSDS No.: M7745	Occidental Chemical Corp	MSDS No.: M7745
N,N-Dibutylformamide	Sigma Aldrich Chemical Company Inc.	D46904
Nalclean 2568 PULV	Nalco Company	062339
Napa 40w detergent oil	Ashland	40w detergent oil
n-Butyl Amine	Arkema	ORG0106
n-Butyl isocyanate	Lanxess	
NEODOL 25-9	Shell	V2454
Never-Seeze	MRO Solutions	10106 anti-sleaze
n-Heptane (Pure Grade)	Chevron Phillips Chemical Company LLC	1016082
Nickel	VHG Labs	ANIN-100
Nickel(II) Acetate Tetrahydrate	Sigma Aldrich Chemical Company Inc. / SAFC	244066
Ninhydrin	EMD	NX0403-2
Nitric Acid	EMD	NX0407-2
Nitroaniline	TCI America	N0119

	Nitrogen (liquified, bulk)	Praxair	
	Nonane	Sigma-Aldrich	296821
	▶ n-Pentyl Alcohol	Dow	
	o-Carboethoxybenzene Sulfonamide	DuPont	B4450
	Octane	Sigma-Aldrich	296988
	ortho-Toluenesulfonamide	Sigma-Aldrich	257990
	para-Toluenesulfonamide	Sigma-Aldrich	236330
	para-Toluenesulfonyl Chloride	Sigma-Aldrich	240877
	PB Blaster	B'Lastor Corp.	128PB
	▶ Pentyl Chloroformate	VanDeMark Inc.	
	Perchloric Acid 0.1N	VWR	VW3210-1
	Phenol	Aldrich	P4161
	Phenol	Sigma-Aldrich	328111
	Phenolphthalein	JT Baker	2870-04
	Phenyl Chloroformate	VanDeMark Chemical	
	Phenyl Chloroformate	VanDeMark Chemical Inc.	
	Phenyl Ether	Sigma-Aldrich	240834
	Phosgene	VanDeMark Inc.	
	Phosphoric Acid	EMD	PX-0995-13
	Phthaloyl Dichloride	Sigma Aldrich Chemical Company Inc. / SAFC	P40409
	Pig Epoxy Stick	New Pig	PTY201
	Plaschek 775	Ferro	
	Polycarbonate of 9,9-bis(3,5-dibromo-4-hydroxyphenyl)-fluorene	Dow Chemical USA	
	Potassium Bromide	EMD	PX1378-1
	Potassium carbonate solid	Aldrich	P5833
	Potassium Chloride (3M)	Mettler	C4191125
	Potassium Hydrogen Phthalate	EMD	PX-1476-3
	Potassium Hydroxide	Sigma-Aldrich	221473
	Potassium Hydroxide (0.1N)	BDH	BDH3548-1
	Potassium Hydroxide 45% solution	Fluka	3564
	Potassium Iodate Standardette (0.1N)	CSL	109
	Potassium Iodide	EMD	PX1507-5
	Potassium Nitrate (2M)	Mettler	C4194125
	Propane	Sigma Aldrich Chemical Company Inc.	318574
	Propargyl Alcohol	Sigma Aldrich Chemical Company Inc.	81820
	Propargyl Chloride	Sigma-Aldrich	143995
	Propargyl Chloroformate	VanDeMark Inc.	
	Propargyl N-Butylcarbamate	VanDeMark Inc.	
	Pro-Seal 34	Pro-Seal Products	#34 10 oz. tube
	P-Toluenesulfonyl Isocyanate	VanDeMark Inc.	
	Pvc/Cpvc Purple Primer	Rectorseal	PR-1
	Pyroplex Rec NLG1 Grease	Castrol	52253
	R-530 Oil	Busch	R-530
	Red Primer	Rustoleum Corp.	7569
	Rigid Dark Thd. Cutting Oil	Rigid/Emerson	41600
	Rigid Nu-Clear Thd. Cutting Oil	Rigid/Emerson	41575
	Rustoleum 9100 Activator	Rustoleum Corp.	9101
















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



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Product Name	Manufacturer Name	Mfg Part #
Rustoleum 9100 Paint	Rustoleum Corp.	9100
Rustoleum 9300 Activator	Rustoleum Corp.	HS9303
Rustoleum 9300 Gray Primer	Rustoleum Corp.	9300
Rustoleum 9400 Activator	Rustoleum Corp.	9401
Rustoleum 9400 Paint	Rustoleum Corp.	9400
Rustoleum 9800 Activator	Rustoleum Corp.	9801
Rustoleum 9800 Paint	Rustoleum Corp.	9800
S6014	Aldrich	S6014
S8890	Aldrich	S8890
Saccharin	Fluka	12475
Saltidin	VanDeMark Inc.	
Sec-Butyl Alcohol	AMERICHEM	
sec-Butyl Chloroformate	VanDeMark Inc.	
SHC 630 oil	Mobil	SHC 630
Silica Gel	Sigma-Aldrich	236772
Silver Nitrate (0.1N)	Ricca	7000-1
Simpson Strong-Tie Anchoring Adhesive	Simpson Strong-Tie	Set 22
Slic-Tite thread sealant	La-Co	42019
Sodium	Sigma Aldrich Chemical Company Inc. / SAFC	282065
Sodium Biphenyl Reagent	GFS Chemicals	5005
Sodium Carbonate	Aldrich	13418
Sodium Chloride	Sigma Aldrich Fluka Chemical Canada Co.	310166
Sodium Hydroxide, 50%	Occidental Chemical Corp	
Sodium Hypochlorite	DuPont Chemicals	2738
Sodium Iodide	BDH	BDH0294
Sodium Sulfate	EMD	SX0760E-1
Sodium Sulfite	EMD	SX0785-1
Sodium thiosulfate	Aldrich	217263
Sodium Thiosulfate (0.1N)	EMD	SX0821-3
Sonolastic Polyurethane Sealant	BASF	1062
Starch	Baker	4006-5
Starch Indicator 1 % w/v	BDH	BDH3262-1
Sulfuric Acid	Aldrich	
Sulfuric Acid	EMD	SX1247-2
Table Salt (5lb. And 25 lb.)	Morton Salt Company	
tert-butylbenzene	Sigma-Aldrich	B90602
Tetrabromo Bis-A Polycarbonate	Generon IGS	11853
▶ Tetrabromo Bisphenol-A Polycarbonate	VanDeMark Chemical Inc.	
Tetrabromobishydroxyphenylfluorene polycarbonate	VanDeMark Chemical Inc.	
Tetrabutyl urea	Acros	
Tetraethylurea	Lancaster	L09458
Tetrahydrofuran	Aldrich	
Tetrahydrofuran	EMD	TX0282-1
Tetramethyl ammonium chloride	EMD	
Thionyl Chloride	Aldrich	
Thread Cutting Lubricant	CRC Industries	14050
Tin (II) Octanoate	William Blythe Ltd	
TL-5215/R Primary (Non-Rechargeable) Lithium Thionyl Chloride (Li/SOC12) Batteries 7.2V	Tardian Batteries LTD	T-36-12 5215/R
▶ Toluene	Aldrich	T4428
Tributylamine	Acros	VW3210-1
Triethylamine	Aldrich	90335
Trimethylpentane	Sigma-Aldrich	155012
Turbidity Standard	GFS Chemicals	8014
Undecane	Sigma-Aldrich	U407
Universal Auto-Trans. Fluid	Cam 2	Universal ATF
Vaporene 7515	The Metro Group, Inc.	
Vaporene 9202	The Metro Group, Inc.	
Vaporene DC-50	The Metro Group, Inc.	50
VAPORENE M-605 L	The Metro Group Inc.	

 Vaporene N-90	The Metro Group, Inc.	
 Versamine 552	Cognis Corporation	
 Vilsmeier Reagent, 95%	VanDeMark Inc.	
 Vilsmeier Reagent, 97%	VanDeMark Inc.	
 Vinyl Chloroformate, 99%	Sigma Aldrich Chemical Company Inc.	526064
 Viscosity Standard	Cannon Inst.	S60
 Viscosity Standard	Cannon Inst.	S20
 Viscosity Standard	Cannon Inst.	N10
 Wasp & Hornet Spray	CRC Industries	14010
 WD-40 Penetrating Fluid	WD-40	10010
 Windex	Colgate Palmolive Canada	
 Xanthan Gum	Sigma Aldrich Chemical Company Inc.	286028
 XUR-1265-200201269-23	The Dow Chemical Company	
 Xylenes	Sun	108-38-3, 108-88-3, 106-42-3
 α, α, α -Trifluorotoluene	Sigma Aldrich Fluka Chemical Canada Co.	547948



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allegation that VDM wastes were disposed at the landfill is based on documentation that VDM disposed of wastes at the Lockport City Landfill and the assumption that the Upper Mountain Road Landfill serviced the same clientele as the Lockport City Landfill. VDM responded to the information request in a November 17, 2008 letter and indicated that it did not identify specific waste disposal documentation responsive to the NYSDEC request. In addition, VDM initiated operations in 1951 and, while it acquired certain assets of Niagara Chlorine Products, it did not assume or succeed to any liabilities from Niagara Chlorine. The facility has not reportedly received further correspondence from the NYSDEC regarding the site.

Based on discussions with facility personnel regarding current and former waste disposal facilities, a review of waste disposal manifest records dating back three calendar years, annual waste reports, and information contained in prior environmental reports and EDR database listings. ENVIRON identified several off-site waste management facilities that have received VDM's wastes, as noted in Table 4.2.

Table 4.2: Summary of Known Off-site Disposal Facilities

Off-site Waste Management Facility	Waste Disposed at Facility	CERCLIS Database Listings	
		Active	Archived*
Norlite Corporation Cohoes, NY EPA ID # NYD080469935	Spent solvents	No Listing Found	No Listing Found
Clean Harbors El Dorado, AR EPA ID # ARD069748192	Reactive wastes and hazardous waste solids	No Listing Found	DS – 11/1979 PA – 11/1979 SI – 03/1980 NFRAP – 12/1989
Bridgeport United Recycling Bridgeport, CT EPA ID # CTD002593887	Corrosive wastes, used oil, PTSL residue	No Listing Found	No Listing Found
Seimens Water Technologies Corp Darlington, PA EPA ID # PAD987270725	Carbon adsorption units for reclamation	No Listing Found	No Listing Found
United Oil Recovery, Inc. Meriden, CT EPA ID # CTD021816889	Heptane and chloroform	No Listing Found	DS – 07/1991 PA – 07/1992 DR – 01/1996
Covanta Niagara Company Niagara Falls, NY EPA ID # NYD986930543	Empty packaging and coal tar	No Listing Found	No Listing Found
Safety Kleen Systems, Inc. Lackawanna, NY EPA ID # NYD981556541	Parts washer solvent	No Listing Found	No Listing Found
Bethlehem Apparatus Co. Bethlehem, PA EPA ID # PAD000453084	Spent fluorescent bulbs	No Listing Found	No Listing Found

Table 4.2: Summary of Known Off-site Disposal Facilities

Off-site Waste Management Facility	Waste Disposed at Facility	CERCLIS Database Listings	
		Active	Archived*
Inmetco Battery Recycling Ellwood City, PA EPA ID # PAD087561015	Spent batteries	No Listing Found	DS – 08/1980 PA – 05/1985 NFRAP – 05/1985
Harbison Brothers Buffalo, NY EPA ID # NYD013729785	Empty drums and containers	No Listing Found	No Listing Found
EQ Resource Recovery, Inc. Romulus, MI EPA ID # MID060975844	Various wastes	Not on the NPL DS – 04/1979 PA – 04/1983 SI/HR – 08/1983 NFRAP – 10/1991 ER – 09/2005 SU – 09/2005 AO – 10/2005	N/A; see Active column.
Modern Disposal Services Model City, NY EPA ID # NYD051817682	General facility trash, electronic waste	No Listing Found	DS – 04/1980 PA – 12/1987 NFRAP – 12/1987
<p>Key: DS = Site Discovery; PA = Preliminary Assessment; NFRAP = No Further Remedial Action Planned; DR = Deferred to RCRA; HR = Hazard Ranking System Package; SI = Site Inspection; ER = PRP Emergency Removal; SU = Site Unarchived; AO = Administrative Order on Consent</p> <p>* According to the USEPA website, the Archive designation indicates the sites at which the USEPA has no further interest under the Federal Superfund Program based on available information. The USEPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available.</p>			

ENVIRON searched for the above-listed facilities on the USEPA's CERCLIS database. One facility (United Oil Recovery in Meriden, CT) is listed on the archived CERCLIS database with Deferred to RCRA status and three sites (Clean Harbors in El Dorado, AR; Inmetco Battery Recycling in Ellwood City, PA; and Modern Disposal Services in Model City, NY) are listed on the archived CERCLIS database with NFRAP status. Sites with Deferred to RCRA or NFRAP status are considered unlikely to represent a significant concern to the Company because remediation is generally conducted by the state environmental agency and/or responsible parties have already been identified, or no further action is required. One of the facilities (EQ Resource Recovery, Inc. in Romulus, MI) was listed on the CERCLIS database with active status, though it was not listed on the NPL. This facility receives various wastes from the subject site. According to the USEPA database, "discovery" of the site by the USEPA occurred in April of 1979, and the site received NFRAP status in October of 1991; however, in September of 2005, emergency removal actions were conducted at the site and the facility was unarchived.

If any current or former off-site waste management facilities used by VDM should become a state or federal Superfund site, subject to other federal or state enforcement proceedings, or the subject of third party lawsuits, VDM could be responsible for a portion of the potential

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2	NON-HAZ SAFETY KLEEN SOLVENT	NON	NONE	PLANT	SFTYKLN	34150	RECYCLE	1-Jan-99	\$350	22	147	0	0	0	147	481	N/A	SFTYKLN	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	6-Jan-99	\$0	2800	21,000	21,000			21,000	476	MI7638849	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	11-Jan-99	\$0	5400	40,500	40,500			40,500	477	MI7638850	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	13-Jan-99	\$0	5200	39,000	39,000			39,000	505	MI7638851	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	15-Jan-99	\$0	5500	41,250	41,250			41,250	478	MI7638852	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	18-Jan-99	\$0	5400	40,500	40,500			40,500	479	MI7638856	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	20-Jan-99	\$0	5600	42,000	42,000			42,000	480	MI7638853	MARCUS	
4	NON-HAZ FLESOL PLASTICIZER	NON	NONE	PLANT	ENSCO	756096	INCIN	21-Jan-99	\$1,320	N/A	1,800	0	1,800	0	0	483	N/A	DART	
2	PTSI RESIDUE	NON	NONE	PTSI	ENSCO	225079	INCIN	21-Jan-99	\$660	N/A	1,170	0	1,170	0	0	483	N/A	DART	
1	FCL RESIDUE	HAZ	D002, F002, D021	2-FCL	ENSCO	658562	INCIN	21-Jan-99	\$330	N/A	357	357	357	0	0	482	AR973327	DART	
1	NON-HAZ FILTERS	NON	NONE	PLANT	ENSCO	658566	INCIN	21-Jan-99	\$330	N/A	170	0	170	0	0	483	N/A	DART	
2	NON-HAZ AC SAMPLES	NON	NONE	PLANT	ENSCO	709745	INCIN	21-Jan-99	\$660	N/A	713	0	713	0	0	483	N/A	DART	
3	LAB SOLID WASTE	HAZ	F002, F003, F005, D021, D022	LAB	ENSCO	658564	INCIN	21-Jan-99	\$1,060	N/A	595	595	595	0	0	482	AR973327	DART	
4	SPILL CLEANUP	HAZ	F002, F003, F005, D021, D022	PLANT	ENSCO	658564	INCIN	21-Jan-99	\$1,320	N/A	647	647	647	0	0	482	AR973327	DART	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	29-Jan-99	\$0	5400	40,500	40,500			40,500	485	MI7638854	MARCUS	
1	DEA WATER	HAZ	D001, D002	HEGCL	ROSS	52906	INCIN	30-Jan-99	\$7,844	4788	32,345	32,345	32,345	0	0	484	NYB5587515	ROSS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	1-Feb-99	\$0	5400	40,500	40,500			40,500	486	MI7638855	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	2-Feb-99	\$0	5600	42,000	42,000			42,000	487	MI7638857	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	3-Feb-99	\$0	5400	40,500	40,500			40,500	488	MI7638858	MARCUS	
3	CALGON CYCLESORB UNITS	HAZ	F002, F005	PLANT	CALGON	2543R	RECYCLE	16-Feb-99	\$770	N/A	19,800	19,800	0	0	19,800	489	PAE6735714	HAZMAT	
1	MIXED SOLVENTS	HAZ	D001, D002, D021, D022, F002, F003, F005	20%ODO, 2%PNBC, 3%LAB, 24%2MESCF, 15%HEGCL, 12%PTSI, 3%TICC, 3%BCF, 18%PLANT	ROSS	44509	INCIN	18-Feb-99	\$8,362	3880	29,100	29,100	29,100	0	0	490	NYB5587668	HAZMAT	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	24-Feb-99	\$0	5700	42,750	42,750			42,750	491	MI7638865	MARCUS	
1	MIXED SOLVENTS	HAZ	D001, D021, D022, F002, F003, F005	20%ODO, 2%PNBC, 3%LAB, 24%2MESCF, 15%HEGCL, 12%PTSI, 3%TICC, 3%BCF, 18%PLANT	ROSS	44509	INCIN	26-Feb-99	\$4,342	2600	19,500	19,500	19,500	0	0	492	NYB5587659	HAZMAT	
1	LAB SOLID WASTE	HAZ	D021, D022, F005, F002, F003	LAB	SFTYKLN	VA020-005	INCIN	9-Mar-99	-\$3,767	N/A	147	147	147	0	0	493	MAK817772	SFTYKLN	
1	COD VIALS	HAZ	D009, D011, D002, D007	LAB	SFTYKLN	VA020-006	INCIN	9-Mar-99	\$225	N/A	15	15	0	0	15	493	MAK817772	SFTYKLN	
1	LAB NON-REACTIVE LIQUID	HAZ	F002, F003, F005, D001, D021, D022	LAB	CLEAN HAR	124269	INCIN	30-Mar-99	\$213	50	375	375	375	0	0	496	MAK787728	CLEAN HAR	

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1	LAB REACTIVE LIQUID	HAZ	F002, F003, F005, D001, D003, D021, D022	LAB	CLEAN HAR	124170	INCIN	30-Mar-99	\$368	30	81	81	81	0	0	497	CTF0380640	CLEAN HAR	
2	LAB SOLID WASTE	HAZ	F003, F005, D021, D022	LAB	CLEAN HAR	124262	INCIN	30-Mar-99	\$576	110	321	321	321	0	0	497	CTF0380640	CLEAN HAR	
1	SPEEDI DRY/SAMPLES/CLEAN UP	NON	NONE	PLANT	CLEAN HAR	131276	INCIN	30-Mar-99	\$288	N/A	390	0	0	0	0	497	CTF0380640	CLEAN HAR	
3	SPENT DMF/WATER	NON	NONE	ACL	CLEAN HAR	124259	INCIN	30-Mar-99	\$608	150	1,251	0	0	0	0	495	CTF0380639	CLEAN HAR	
1	WASTE OIL W/MCB	HAZ	D001, D021, F002	PTSI	CLEAN HAR	131275	INCIN	30-Mar-99	\$213	50	375	375	375	0	0	496	MAK787728	CLEAN HAR	
1	CALGON FIBERGLASS UNIT	HAZ	F002	PLANT	CALGON	2542R	REGEN	30-Mar-99	\$385	N/A	4,000	4,000	0	0	4000	494	PAE6796952	HAZMAT	
1	PTSI RESIDUE	NON	NONE	PTSI	CLEAN HAR	124261	INCIN	30-Mar-99	\$288	N/A	400	0	0	0	0	495	CTF0380639	CLEAN HAR	
4	CALGON SS CYCLESORB UNITS	HAZ	F002/F005	PLANT	CALGON	2543R	REGEN	30-Mar-99	\$385	N/A	16,000	16,000	0	0	16000	494	PAE6796952	HAZMAT	
1	WASTE FILTERS	NON	NONE	PLANT	CLEAN HAR	124264	INCIN	30-Mar-99	\$208	N/A	250	0	0	0	0	495	CTF0380639	CLEAN HAR	
1	TOLUENE/TEU/DEA/WATER	HAZ	F005, D001	HEGCL	ROSS	53148	INCIN	5-Apr-99	\$7,895	5528	35,600	35,600	35,600	0	0	498	NYB5586957	ROSS	
2	NON-HAZ SAFETY KLEEN SOLVENT	NON	NONE	PLANT	SFTYKLN	34150	RECYCLE	6-Apr-99	\$350	26	174	0	0	0	0	506	N/A	SFTYKLN	
1	NEUTRALIZED DMF	NON	NONE	ACL	ROSS	41004	INCIN	9-Apr-99	\$7,200	3753	28,148	0	0	0	0	499	NYB5587605	ROSS	
1	LAB NON-REACTIVE LIQUID	HAZ	F002, F003, F005, D001, D021, D022	LAB	CLEAN HAR	124269	INCIN	13-Apr-99	\$172	50	375	375	375	0	0	503	MAK787738	CLEAN HAR	
1	VANCHLOR GAS AND OIL	HAZ	D001, D018	VANCHLOR	CLEAN HAR	124283	INCIN	13-Apr-99	\$172	50	350	350	350	0	0	504	MAK787737	CLEAN HAR	
	ODO FILTERS	HAZ	F002,F003, D003, D021	ODO	CLEAN HAR	124251	INCIN	13-Apr-99	\$247	N/A	250	250	250	0	0	503	MAK787738	CLEAN HAR	
3	MCB/DEA/WATER	HAZ	F002, D002, D001, D021	2 PLANT 1 PNBC	CLEAN HAR	124303	INCIN	13-Apr-99	\$484	150	1,125	1,125	1,125	0	0	503	MAK787738	CLEAN HAR	
3	WATER/MCB	HAZ	F002, D001, D021	PTSI	CLEAN HAR	124271	INCIN	13-Apr-99	\$516	150	1,125	1,125	1,125	0	0	503	MAK787738	CLEAN HAR	
8	PTSI RESIDUE	NON	NONE	PTSI	CLEAN HAR	124261	INCIN	13-Apr-99	\$1,976	N/A	2,400	0	0	0	0	502	CTF0380648	CLEAN HAR	
3	SPENT CARBON SPILL	HAZ	F002, F005	PLANT	CLEAN HAR	124301	INCIN	13-Apr-99	\$741	N/A	900	900	900	0	0	502	CTF0380648	CLEAN HAR	
6	SPEEDI DRY SAMPLES/CLEANUP	HAZ	F002, D021	PLANT	CLEAN HAR	124263	INCIN	13-Apr-99	\$1,482	N/A	1,800	1,800	1,800	0	0	502	CTF0380648	CLEAN HAR	
6	LAB SOLID WASTE	HAZ	F002, F003, F005, D021, D022	LAB	CLEAN HAR	124262	INCIN	13-Apr-99	\$1,482	N/A	1,800	1,800	1,800	0	0	502	CTF0380648	CLEAN HAR	
1	ODO BAGS (ISOBUTYRIC ACID & HYDRAZIDE)	NON	NONE	ODO	CLEAN HAR	124272	INCIN	13-Apr-99	\$247	N/A	200	0	0	0	0	501	MAK787739	CLEAN HAR	
4	SPEEDI DRY/SAMPLES/CLEAN UP	NON	NONE	PLANT	CLEAN HAR	131276	INCIN	13-Apr-99	\$988	N/A	1,200	0	0	0	0	500	CTF0380647	CLEAN HAR	
3	MANHOLE SLUDGE	NON	NONE	PLANT	CLEAN HAR	124302	INCIN	13-Apr-99	\$741	N/A	900	0	0	0	0	500	CTF0380647	CLEAN HAR	
1	WASTE BRINE	NON	NONE	PLANT	CLEAN HAR	124266	INCIN	13-Apr-99	\$81	50	350	0	0	0	0	500	CTF0380647	CLEAN HAR	
2	WASTE FILTERS	NON	NONE	PLANT	CLEAN HAR	124264	INCIN	13-Apr-99	\$333	N/A	600	0	0	0	0	500	CTF0380647	CLEAN HAR	
1	MIXED SOLVENTS (TOLUENE, ACETONE)	HAZ	D001, D021, D022, F003, F005	3% PNBC, 35% HEGCL, 14% PTSI, 16% PCF, 6% BCF, 24% PLANT	ROSS	44509	INCIN	27-Apr-99	\$2,684	2000	15,000	15,000	15,000	0	0	507	NYB5565096	HAZMAT	
1	LAB PACK TOXIC SOLIDS, ORGANIC (P-NITROPHENOL, 4-CHLOROANILINE)	HAZ	U170, P024	LAB	ENSCO	780445	INCIN	28-Apr-99		30	75	75	75	0	0	508	AR973431	FREEHOLD CARTAGE, INC.	

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1	LAB PACK CORROSIVE SOLIDS, TOXIC (IODINE MONOCHLORIDE, CYANURIC ACID)	HAZ	D003	LAB	ENSCO	780445	INCIN	28-Apr-99		14	30	30	30	0	0	508	AR973431	FREEHOLD CARTAGE, INC.	
1	LAB PACK CORROSIVE LIQUIDS,(THIONYL CHLORIDE, ALLOYL CHLORIDE)	HAZ	D002,D003	LAB	ENSCO	780445	INCIN	28-Apr-99		5	10	10	10	0	0	508	AR973431	FREEHOLD CARTAGE, INC.	
1	LAB PACK ORGANIC PEROXIDE TYPE D, SOLID (DILAUROYL PEROXIDE, BENZOYL PEROXIDE)	HAZ	D001	LAB	ENSCO	780445	INCIN	28-Apr-99		5	10	10	10	0	0	508	AR973431	FREEHOLD CARTAGE, INC.	
1	LAB PACK WASTE WATER REACTIVE SOLID, SELF-HEATING (ZINC DUST, POTASSIUM T-BUTOXIDE)	HAZ	D001, D003	LAB	ENSCO	780445	INCIN	28-Apr-99		5	10	10	10	0	0	508	AR973431	FREEHOLD CARTAGE, INC.	
1	LAB PACK FLAMMABLE LIQUIDS, CORROSIVE (PROPARGYL CHLORIDE, IODOPROPARGYL ALCOHOL)	HAZ	D001, D002	LAB	ENSCO	780445	INCIN	28-Apr-99		5	10	10	10	0	0	508	AR973431	FREEHOLD CARTAGE, INC.	
1	LAB PACK BARIUM COMPOUNDS	HAZ	D005	LAB	ENSCO	780445	INCIN	28-Apr-99		5	10	10	10	0	0	508	AR973431	FREEHOLD CARTAGE, INC.	
1	LAB PACK FLAMMABLE LIQUIDS, CORROSIVE (DIETHYL ETHER, HCL)	HAZ	D001, D002	LAB	ENSCO	780445	INCIN	28-Apr-99		5	10	10	10	0	0	508	AR973431	FREEHOLD CARTAGE, INC.	
1	LAB PACK CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE (PCF, 2-MSECF)	HAZ	D001, D002	LAB	ENSCO	780445	INCIN	28-Apr-99		5	10	10	10	0	0	508	AR973431	FREEHOLD CARTAGE, INC.	
1	LAB PACK METHYL IODIDE	HAZ	U138	LAB	ENSCO	780445	INCIN	28-Apr-99		4	5	5	5	0	0	508	AR973431	FREEHOLD CARTAGE, INC.	
1	LAB PACK ALLYL CHLOROFORMATE	HAZ	D001, D002	LAB	ENSCO	780445	INCIN	28-Apr-99		4	5	5	5	0	0	508	AR973431	FREEHOLD CARTAGE, INC.	
1	LAB PACK CORROSIVE SOLID, ACIDIC, ORGANIC (TRIMELLITIC ANHYDRIDE)	NON	NONE	LAB	ENSCO	780445	INCIN	28-Apr-99		14	30	0	0	0	0	508	AR973431	FREEHOLD CARTAGE, INC.	
1	LAB PACK ISOCYANATES (OCTADECYLISOCYANATE, 4-CHLOROPHENYLISOCYANATE)	NON	NONE	LAB	ENSCO	780445	INCIN	28-Apr-99		5	10	0	0	0	0	508	AR973431	FREEHOLD CARTAGE, INC.	
1	LAB PACK NON-HAZ	NON	NONE	LAB	ENSCO	780445	INCIN	28-Apr-99		5	10	0	0	0	0	508	AR973431	FREEHOLD CARTAGE, INC.	
1	LAB PACK MERCURY COMPOUNDS	HAZ	D009	LAB	ENSCO	780446	RECOVER	28-Apr-99		5	10	10	0	0	10	509	AR973430	FREEHOLD	

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7	SPEEDI DRY SAMPLES/WASTE OIL	NON	NONE	PLANT	CLEAN HAR	CH131276	INCIN	5-May-99	\$2,388	350	1,581	0	0	0	0	510	MDC0795821	CL HAR & DART	
1	WASTE OIL WITH MCB	HAZ	F002, D001, D021	PNBC	CLEAN HAR	CH131275	INCIN	5-May-99	\$166	50	421	421	421	0	0	511	CTF0761168	CLEAN HAR	
1	LAB SOLID WASTE	HAZ	F002, F003, F005, D021, D022	LAB	CLEAN HAR	CH124262	INCIN	5-May-99	\$241	50	72	72	72	0	0	511	CTF0761168	CLEAN HAR	
2	CALGON VENT SORB WASTE DRUM	HAZ	F002, D021	PLANT	CLEAN HAR	CH131345	INCIN	5-May-99	\$482	100	638	638	638	0	0	511	CTF0761168	CLEAN HAR	
5	PTSI RESIDUE	NON	NONE	PTSI	CLEAN HAR	CH124261	INCIN	5-May-99	\$1,204	250	2874	0	0	0	0	511	CTF0761168	CLEAN HAR	
3	TIC-C RAG LAYER	HAZ	D001, D002	TIC-C	CLEAN HAR	CH131347	INCIN	5-May-99	\$1,784	150	914	914	914	0	0	512	MAK246739	CLEAN HAR	
2	COD WASTE VIALS	HAZ	D002, D007, D010	LAB	CLEAN HAR	CH131346	RECOVER	5-May-99	\$161	10	10	10	0	0	10	512	MAK246739	CLEAN HAR	
4	SPEEDI DRY MCB/PCF	HAZ	D009, D021	PCF	CLEAN HAR	CH124257	INCIN	5-May-99	\$1,797	200	1558	1,558	1,558	0	0	512	MAK246739	CLEAN HAR	
2	DMF/WATER	NON	NONE	ACL	CLEAN HAR	CH124259	INCIN	5-May-99	\$792	100	540	0	0	0	0	512	MAK246739	CLEAN HAR	
1	MCB/PCF	HAZ	F002, D001, D021	PCF	CLEAN HAR	CH124305	INCIN	5-May-99	\$382	50	350	350	350	0	0	513	MAK246737	CLEAN HAR	
1	LAB NON-REACTIVE LIQUID	HAZ	F002, F003, F005, D001, D021, D022	LAB	CLEAN HAR	CH124269	INCIN	5-May-99	\$175	50	433	433	433	0	0	513	MAK246737	CLEAN HAR	
1	ACETONE, MCB, DEA	HAZ	F002, F003, D001, D021	HEGCL	CLEAN HAR	CH131344	INCIN	5-May-99	\$110	50	400	400	400	0	0	513	MAK246737	CLEAN HAR	
1	VANCHLOR FERRIC CHLORIDE	NON	NONE	VANCHLOR	CECOS	282411	VWT	1-Jun-99	\$4,312	6000	50000	0	0	0	0	514	282411	HAZMAT	
1	CALGON FIBERGLASS UNIT	HAZ	F005	PLANT	CALGON	2542R	RECYCLE	22-Jun-99	\$385		2000	2,000	0	0	2000	515	PAX9312612	HAZMAT	
1	CALGON SS UNIT	HAZ	F002,F005	PLANT	CALGON	2543R	RECYCLE	22-Jun-99	\$385		2000	2,000	0	0	2000	515	PAX9312612	HAZMAT	
1	ACETONE, MCB, DEA	HAZ	F002, F003, D001, D021	HEGCL	CLEAN HAR	CH131344	INCIN	29-Jun-99	\$110	50	440	440	440	0	0	516	MAK256322	CLEAN HAR	
1	SPEEDI DRY WITH MCB, PCF	HAZ	D021	PCF	CLEAN HAR	CH124257	INCIN	29-Jun-99	\$457	50	382	382	382	0	0	516	MAK256322	CLEAN HAR	
12	INSULATION WITH THERMINOL	NON	MA99, NONE	PLANT	CLEAN HAR	CH124411	INCIN	29-Jun-99	\$2,915	600	1320	0	0	0	0	516	MAK256322	CLEAN HAR	
1	CALGON VENTSORB DRUM	HAZ	F002,D021	PLANT	CLEAN HAR	CH131345	INCIN	29-Jun-99	\$241	50	267	267	267	0	0	517	CTF0767379	CLEAN HAR	
10	PTSI RESIDUE	NON	NONE	PTSI	CLEAN HAR	CH124261	INCIN	29-Jun-99	\$2,408	500	6700	0	0	0	0	517	CTF0767379	CLEAN HAR	
2	SPEEDI DRY/ PLANT SAMPLES/OIL	NON	NONE	PLANT	CLEAN HAR	CH131276	INCIN	29-Jun-99	\$482	100	916	0	0	0	0	517	CTF0767379	CLEAN HAR	
4	WASTE FILTERS	NON	NONE	PLANT	CLEAN HAR	CH124264	INCIN	29-Jun-99	\$963	200	871	0	0	0	0	518	CTF0767380	CLEAN HAR	
4	OIL WITH MCB	HAZ	F002,D001,D021	PNBC	CLEAN HAR	CH131275	INCIN	29-Jun-99	\$663	200	1640	1,640	1,640	0	0	519	IL7829384	CLEAN HAR	
1	COD WASTE VIALS	HAZ	D002, D007, D009, D010	LAB	CLEAN HAR	CH131346	RECOVER	29-Jun-99	\$80	50	35	35	0	0	35	519	IL7829384	CLEAN HAR	
1	LAB SOLID WASTE	HAZ	F002, F003, F005, D021, D022	LAB	CLEAN HAR	CH124262	INCIN	29-Jun-99	\$241	50	150	150	150	0	0	519	IL7829384	CLEAN HAR	
1	LAB NON-REACTIVE LIQUID	HAZ	F002, F003, F005, D021, D022, D001	LAB	CLEAN HAR	CH124269	INCIN	29-Jun-99	\$166	55	450	450	450	0	0	519	IL7829384	CLEAN HAR	
4	MCB/PNBC	HAZ	D001	PNBC	CLEAN HAR	CH124412	INCIN	29-Jun-99	\$2,117	200	1799	1,799	1,799	0	0	520	NYG1670157	CLEAN HAR	
1	SAFETY KLEEN SOLVENT	NON	NONE	PLANT	SFTYKLN	34150	RECYCLE	1-Jul-99	\$350	24	161	0	0	0	0	521	N/A	SFTYKLN	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	7-Jul-99	\$0	5700	42,750	42,750			42,750	522	MI7638859	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	9-Jul-99	\$0	4800	36,000	36,000			36,000	523	MI7638860	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	10-Jul-99	\$0	6060	45,450	45,450			45,450	524	MI7638861	BUF FUEL CORP	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	12-Jul-99	\$0	5400	40,500	40,500			40,500	525	MI7638862	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	14-Jul-99	\$0	5700	42,750	42,750			42,750	526	MI7638863	BFC	

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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	EST COST \$	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	15-Jul-99	\$0	3289	24,668	24,668			24,668	527	MI7638864	BFC	
1	CALGON SS CYCLESORB UNIT	HAZ	F002, F005	PLANT	CALGON	2543R	RECYCLE	20-Jul-99	\$770		2000	2,000	1,000		1000	528	PAX9312645	HAZMAT	
1	NEUTRALIZED DMF	NON		ACL	ROSS	WPS41004	INCIN	4-Aug-99	\$4,194	2,200	17,540	17,540	17,540			529	NYB558698 4	ROSS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	9-Aug-99	\$0	5700	42,750	42,750	0		42,750	530	MI7638866	MARCUS	
1	TOLUENE/TEU/DEA/WA TER	HAZ	F005	HEGCL	ROSS	WPS53148	INCIN	10-Aug-99	\$6,200	4,700	38,960	38,960	38,960			531	NYB558711 9	ROSS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	11-Aug-99	\$0	5500	41,250	41,250	0		41,250	532	MI7638867	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	12-Aug-99	\$0	5700	42,750	42,750	0		42,750	533	MI7638868	MARCUS	
1	CALGON FRP UNIT	HAZ	F005	HEGCL	CALGON	2542R	RECYCLE	23-Aug-99	\$770		2,000	2,000	0		2000	534	PA9312634	HAZMAT	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	23-Aug-99	\$0	5400	40,500	40,500	0		40,500	535	MI7638869	MARCUS	
2	LAB NON REACTIVE LIQUID	HAZ	F002, F003, F005, D001, D021, D022	LAB	CLEAN HAR	CH124269	INCIN	24-Aug-99	\$348	100	851	851	851			536	IL8448972	CLEAN HAR	
3	MCB/PNBC WASTE	HAZ	D001, D021	PNBC	CLEAN HAR	CH124269	INCIN	24-Aug-99	\$522	150	1,347	1,347	1,347			536	IL8448972	CLEAN HAR	
1	OIL WITH MCB	HAZ	F002, D001, D021	PTSI	CLEAN HAR	CH124269	INCIN	24-Aug-99	\$173	50	440	440	440			536	IL8448972	CLEAN HAR	
1	COD WASTE VIALS	HAZ	D002, D007, D009, D0100	LAB	CLEAN HAR	CH124269	INCIN	24-Aug-99	\$106		25	25	25			536	IL8448972	CLEAN HAR	
6	LAB SOLID WASTE/SPILL CLEANUP	HAZ	F002, F003, F005, D021, D022	PLANT	CLEAN HAR	CH124262	INCIN	24-Aug-99	\$1,653		2,114	2,114	2,114			537	IL8448973	CLEAN HAR	
	WASTE FILTERS	NON		PLANT	CLEAN HAR	CH124264	INCIN	24-Aug-99	\$560		768	0	768			538	CTF0874925	CLEAN HAR	
	DMF/WATER	NON		ACL	CLEAN HAR	CH124259	INCIN	24-Aug-99	\$1,332	100	624	0	624			538	CTF0874925	CLEAN HAR	
1	WASTE OIL	NON		PLANT	CLEAN HAR	CH124268	INCIN	24-Aug-99	\$111	50	354	0	354			538	CTF0874925	CLEAN HAR	
1	MCB/WATER	HAZ	F002, D001, D021	PLANT	CLEAN HAR	CH124271	INCIN	24-Aug-99	\$171	50	422	422	422			539	CTF0874924	CLEAN HAR	
2	VENTSORB WASTE	HAZ	F002, D021	PLANT	CLEAN HAR	CH131345	INCIN	24-Aug-99	\$547		505	505	505			539	CTF0874924	CLEAN HAR	
8	PTSI RESIDUE	NON		PTSI	CLEAN HAR	CH124261	INCIN	24-Aug-99	\$1,928		5,402	0	5,402			539	CTF0874924	CLEAN HAR	
4	SPEEDI DRY/OIL	NON		PLANT	CLEAN HAR	CH131276	INCIN	24-Aug-99	\$964		1,200	0	1,200			539	CTF0874924	CLEAN HAR	
4	ACETONE/MCB/DEA	HAZ	F002, F003, D001, D021	HEGCL	CLEAN HAR	CH131344	INCIN	24-Aug-99	\$475	200	1,510	1,510	1,510			540	MAK248318	CLEAN HAR	
5	MCB/DEA/WATER	HAZ	F002, D001, D002, D021	PNBC	CLEAN HAR	CH124303	INCIN	24-Aug-99	\$844	250	1,924	1,924	1,924			540	MAK248318	CLEAN HAR	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	24-Aug-99	\$0	4000	30,000	30,000	0		30,000	541	MI7638870	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	26-Aug-99	\$0	5800	43,500	43,500	0		43,500	542	MI7638871	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	29-Aug-99	\$0	5750	43,125	43,125	0		43,125	543	MI7638872	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	30-Aug-99	\$0	5750	43,125	43,125	0		43,125	544	MI7638873	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP005	RECYCLE	1-Sep-99	\$0	5400	40,500	40,500	0		40,500	545	MI7638874	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	3-Sep-99	\$0	5500	41,250	41,250	0		41,250	546	MI7638875	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	8-Sep-99	\$0	5630	42,225	42,225	0		42,225	547	MI7744201	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	10-Sep-99	\$0	5400	40,500	40,500	0		45,000	548	MI7744203	MARCUS	
3	SS CYCLESORB UNIT	HAZ	F002, F005	PLANT	CALGON	2543R	RECYCLE	13-Sep-99	\$779		6,000	6,000	0		6,000	549	PA9312623	HAZMAT	
1	TOLUENE/TEU/DEA/WA TER	HAZ	F005	HEGCL	ROSS	WPS 48093	INCIN	15-Sep-99	\$4,949	4500	33,750	33,750	33,750			550	NYB5588046	ROSS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	16-Sep-99	\$0	5400	40,500	40,500			45,000	551	MI7744204	MARCUS	

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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	EST COST \$	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	17-Sep-99	\$0	4750	35,625	35,625			35,625	552	MI7744205	MARCUS	
1	TOLUENE/TEU/DEA/WATER	HAZ	F005	HEGCL	ROSS	WPS48093	INCIN	17-Sep-99	\$3,566	3437	25,778	25,778	25,778			553	NYB558809 1	ROSS	
1	NEUTRALIZED DMF	NON		ACL	ROSS	WPS410004	INCIN	20-Sep-99	\$4,843	2700	21,280	21,280	21,280			554	NYB558767 7	ROSS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	21-Sep-99	\$0	5400	40,500	40,500			45,000	555	MI7744206	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	22-Sep-99	\$0	5000	37,500	37,500			37,500	556	MI7744207	MARCUS	
1	SAFETY KLEEN SOLVENT	NON	NONE	PLANT	SFTY KLEEN		RECYCLE	23-Sep-99	\$350	24	180	0			180	557	NYD175773779	SFTY KLEEN	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	24-Sep-99	\$0	5400	40,500	40,500			45,000	558	MI7744208	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	28-Sep-99	\$0	5400	40,500	40,500			45,000	559	MI7744209	MARCUS	
1	WASTE ETHYL ACETATE	HAZ	D001, F003	TIC-C	GAGE	GWP055	RECYCLE	4-Oct-99	\$0	5250	39,375	39,375			39,375	560	MI7744213	MARCUS	
6	WASTE OIL W/FREON	NON		PLANT	CLEAN HAR	CH147716	INCIN	26-Oct-99		300	2,386		2,386			561	IL8496523	CLEAN HAR	
1	METHYLENE CHLORIDE	HAZ	U080	PILOT LAB	CLEAN HAR	CH147711	INCIN	26-Oct-99		50	400	400	400			562	MAK250837	CLEAN HAR	
5	ACETONE/MCB/DEA	HAZ	F002, F003, D001	PLANT	CLEAN HAR	CH131344	INCIN	26-Oct-99		250	1,775	1,775	1,775			562	MAK250837	CLEAN HAR	
1	HAZ WASTE FILTERS	HAZ	F002, F003, D003	PLANT	CLEAN HAR	CH124251	INCIN	26-Oct-99		50	55	55	55			562	MAK250837	CLEAN HAR	
3	VENTSORB WASTE	HAZ	F002	PTSI	CLEAN HAR	CH131345	INCIN	26-Oct-99		150	1,103	1,103	1,103			563	CTF0891519	CLEAN HAR	
1	WASTE FILTERS	NON	NONE	PLANT	CLEAN HAR	CH124264	INCIN	26-Oct-99		50	342		342			563	CTF0891519	CLEAN HAR	
6	OIL W/MCB	HAZ	F002, D001, D021	PTSI	CLEAN HAR	CH131275	INCIN	26-Oct-99		300	2,615	2,615	2,615			564	IL8496522	CLEAN HAR	
1	WASTE TETRAHYDROFURAN	HAZ	U213, D001	PILOT LAB	CLEAN HAR	CH147713	INCIN	26-Oct-99		50	180	180	180			564	IL8496522	CLEAN HAR	
1	COD WASTE VIALS	HAZ	D002, D007, D009, D011	LAB	CLEAN HAR	CH131346	TREAT	26-Oct-99		2	10	10			10	564	IL8496522	CLEAN HAR	
6	LAB SOLID WASTE/SPILL CLEAN-UP	HAZ	F002, F003, F005, D021, D022	PLANT	CLEAN HAR	CH124262	INCIN	26-Oct-99		300	2,276	2,276	2,276			564	IL8496522	CLEAN HAR	
2	WASTE FILTERS/THERMINOL/SPEEDI DRY	NON	NONE	PLANT	SPRING GROVE	CH122213	INCIN	26-Oct-99		100	429		429			565	NYG2277279	CLEAN HAR	
	PTSI RESIDUE	NON	NONE	PTSI	SPRING GROVE	CH124261	INCIN	26-Oct-99		850	10,673		10,673			565	NYG2277279	CLEAN HAR	
	WASTE THERMINOL	NON	NONE	PLANT	SPRING GROVE	CH147715	INCIN	26-Oct-99		100	535		535			565	NYG2277279	CLEAN HAR	
1	WASTE HEPTANES	HAZ	D001	PILOT LAB	SPRING GROVE	CH147712	INCIN	26-Oct-99		50	235	235	235			566	NYG2277261	CLEAN HAR	
1	WASTE HEXANES	HAZ	D001	PILOT LAB	SPRING GROVE	CH147714	INCIN	26-Oct-99		50	280	280	280			566	NYG2277261	CLEAN HAR	
1	WASTE METHANOL	HAZ	F003, D001	PILOT LAB	SPRING GROVE	CH122220	INCIN	26-Oct-99		50	185	185	185			566	NYG2277261	CLEAN HAR	
1	WASTE ETHYL ACETATE	HAZ	U112, D001	PILOT LAB	CLEAN HAR	CH2941	INCIN	26-Oct-99		50	320	320	320			567	IL8496521	CLEAN HAR	
1	LAB NON-REACTIVE LIQUID	HAZ	F002, F003, F005, D001, D021, D022	LAB	CLEAN HAR	CH124269	INCIN	26-Oct-99		50	455	455	455			567	IL8496521	CLEAN HAR	
12	MCB/PNBC	HAZ	D001, D021	PNBC	CLEAN HAR	CH124412	INCIN	26-Oct-99		600	5,294	5,294	5,294			567	IL8496521	CLEAN HAR	
10	MCB/WATER	HAZ	F002, D001, D021	PNBC	CLEAN HAR	CH124271	INCIN	26-Oct-99		500	5,172	5,172	5,172			567	IL8496521	CLEAN HAR	
2	CALGON FRP UNIT	HAZ	F002	HEGCL	CALGON	2542R	RECYCLE	17-Nov-99			4,000	4,000	0		4,000	568	PA9199831	HAZMAT	
1	SS CYCLESORB UNIT	HAZ	FOO2, FOO5	PLANT	CALGON	2543R	RECYCLE	17-Nov-99	\$361		2,000	2,000	0		2,000	568	PA9199831	HAZMAT	
1	SAFTEY KLEAN SOLVENT	NON	NONE		SAFTEY CLEAN		RECYCLE	10-Dec-99		25	188	0	0		188	569	NYD98155654	SFTY KLEAN	
2	WASTE SOLID	HAZ	F005, F002		CALGON	2543R	RECYCLE	22-Dec-99			10,000	10,000	0		10,000	570	PA9199816	HAZMAT	
10	LAB SOLID WASTE	HAZ	F002, F003, F005, D021, D022		ENSCO	WMDS658564	INCIN	27-Dec-99			3,043	3,043	3,043			571	AR1033130	DART	
1	SPEEDY DRY W/OIL & MCB	HAZ	F002, D021		ENSCO	WMDS1309238	INCIN	27-Dec-99			400	400	400			571	AR1033130	DART	
8	USED ACETONE	HAZ	D001, F002, F003, D021		ENSCO	WMDS658586	INCIN	27-Dec-99			2,587	2,587	2,587			571	AR1033130	DART	

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[illegible]

Acct Period	SHIP DATE	Man Doc #	WASTE DESCRIPTION	PROCESS	COST	January Totals	
jan JAN	1-Jan-99	481	NON-HAZ SAFETY KLEEN SOLVENT	PLANT	\$350	General	\$1,701.84
	6-Jan-99	476	WASTE ETHYL ACETATE	TIC-C	\$0	Plant	\$990
	11-Jan-99	477	WASTE ETHYL ACETATE	TIC-C	\$0	TICC	
	13-Jan-99	505	WASTE ETHYL ACETATE	TIC-C	\$0	PTSI	\$660
	15-Jan-99	478	WASTE ETHYL ACETATE	TIC-C	\$0	ACL	
	18-Jan-99	479	WASTE ETHYL ACETATE	TIC-C	\$0	HEGCL	\$7,844
	20-Jan-99	480	WASTE ETHYL ACETATE	TIC-C	\$0	2-FCL	
	21-Jan-99	483	NON-HAZ FLESOL PLASTICIZER	PLANT	\$1,320	PNBC	
	21-Jan-99	483	PTSI RESIDUE	PTSI	\$660	BGF	
	21-Jan-99	482	FCL RESIDUE	2-FCL	\$330	2-MSECF	
	21-Jan-99	483	NON-HAZ FILTERS	PLANT	\$330	LAB	
	21-Jan-99	483	NON-HAZ AC SAMPLES	PLANT	\$660	total	\$9,494
	21-Jan-99	482	LAB SOLID WASTE	LAB	\$1,060		
	21-Jan-99	482	SPILL CLEANUP	PLANT	\$1,320	February Totals	
	29-Jan-99	485	WASTE ETHYL ACETATE	TIC-C	\$0	Plant	
jan	30-Jan-99	484	DEA WATER	HEGCL	\$7,844	TICC	
	1-Feb-99	486	WASTE ETHYL ACETATE	TIC-C	\$0	PTSI	
	2-Feb-99	487	WASTE ETHYL ACETATE	TIC-C	\$0	ACL	
	3-Feb-99	488	WASTE ETHYL ACETATE	TIC-C	\$0	HEGCL	
	16-Feb-99	489	CALGON CYCLESORB UNITS	PLANT	\$770	2-FCL	
				20%ODO, 2%PNBC, 3%LAB, 24%2MESCF, 15%HEGCL, 12%PTSI, 3%TICC, 3%BCF, 18%PLANT			
	18-Feb-99	490	MIXED SOLVENTS		\$8,362	PNBC	
	24-Feb-99	491	WASTE ETHYL ACETATE	TIC-C	\$0	BCF	
				20%ODO, 2%PNBC, 3%LAB, 24%2MESCF, 15%HEGCL, 12%PTSI, 3%TICC, 3%BCF, 18%PLANT			
	26-Feb-99	492	MIXED SOLVENTS		\$4,342	ODO	
						2-MESCF	
	9-Mar-99	493	LAB SOLID WASTE	LAB	-\$3,767	LAB	
	9-Mar-99	493	COD VIALS	LAB	\$225		
	30-Mar-99	496	LAB NON-REACTIVE LIQUID	LAB	\$213		
	30-Mar-99	497	LAB REACTIVE LIQUID	LAB	\$368		
	30-Mar-99	497	LAB SOLID WASTE	LAB	\$576		
	30-Mar-99	497	SPEEDI DRY/SAMPLES/CLEANUP	PLANT	\$288		
	30-Mar-99	495	SPENT DMF/WATER	ACL	\$608		
	30-Mar-99	496	WASTE OIL W/MCB	PTSI	\$213		

Acct Period	SHIP DATE	Man Doc #	WASTE DESCRIPTION	PROCESS	COST	January Totals
	30-Mar-99	494	CALGON FIBERGLASS UNIT	PLANT	\$385	
	30-Mar-99	495	PTSI RESIDUE	PTSI	\$288	
	30-Mar-99	494	CALGON SS CYCLESORB UNITS	PLANT	\$385	
	30-Mar-99	495	WASTE FILTERS	PLANT	\$208	
	5-Apr-99	498	TOLUENE/TEU/DEA/WATER	HEGCL	\$7,895	
	6-Apr-99	506	NON-HAZ SAFETY KLEEN SOLVENT	PLANT	\$350	
	9-Apr-99	499	NEUTRALIZED DMF	ACL	\$7,200	
	13-Apr-99	503	LAB NON-REACTIVE LIQUID	LAB	\$172	
	13-Apr-99	504	VANCHLOR GAS AND OIL	VANCHLOR	\$172	
	13-Apr-99	503	ODO FILTERS	ODO	\$247	
	13-Apr-99	503	MCB/DEA/WATER	2 PLANT 1 PNBC	\$484	
	13-Apr-99	503	WATER/MCB	PTSI	\$516	
	13-Apr-99	502	PTSI RESIDUE	PTSI	\$1,976	
	13-Apr-99	502	SPENT CARBON SPILL	PLANT	\$741	
	13-Apr-99	502	SPEEDI DRY SAMPLES/CLEANUP	PLANT	\$1,482	
	13-Apr-99	502	LAB SOLID WASTE	LAB	\$1,482	
	13-Apr-99	501	ODO BAGS (ISOBUTYRIC ACID & HYDRAZIDE)	ODO	\$247	
	13-Apr-99	500	SPEEDI DRY/SAMPLES/CLEANUP	PLANT	\$988	
	13-Apr-99	500	MANHOLE SLUDGE	PLANT	\$741	
	13-Apr-99	500	WASTE BRINE	PLANT	\$81	
	13-Apr-99	500	WASTE FILTERS	PLANT	\$333	
	27-Apr-99	507	MIXED SOLVENTS (TOLUENE, ACETONE)	3% PNBC, 35% HEGCL, 14% PTSI, 16% PCF, 8% BCF, 24% PLANT	\$2,684	
	28-Apr-99	508	LAB PACK TOXIC SOLIDS, ORGANIC (P-NITROPHENOL, 4-CHLOROANILINE)	LAB	\$0	
	28-Apr-99	508	LAB PACK CORROSIVE SOLIDS, TOXIC (IODINE MONOCHLORIDE, CYANURIC ACID)	LAB	\$0	
	28-Apr-99	508	LAB PACK CORROSIVE LIQUIDS,(THIONYL CHLORIDE, ALLOYL CHLORIDE)	LAB	\$0	
	28-Apr-99	508	LAB PACK ORGANIC PEROXIDE TYPE D, SOLID (DILAUROYL PEROXIDE, BENZOYL PEROXIDE)	LAB	\$0	
	#REF!	#REF!	#REF!	#REF!	#REF!	
	5-May-99	510	SPEEDI DRY SAMPLES/WASTE OIL	PLANT	\$2,388	
	5-May-99	511	WASTE OIL WITH MCB	PNBC	\$166	
	5-May-99	511	LAB SOLID WASTE	LAB	\$241	

Acct Period	SHIP DATE	Man Doc #	WASTE DESCRIPTION	PROCESS	COST	January Totals
	5-May-99	511	CALGON VENT SORB WASTE DRUM	PLANT	\$482	
	5-May-99	511	PTSI RESIDUE	PTSI	\$1,204	
	5-May-99	512	TIC-C RAG LAYER	TIC-C	\$1,784	
	5-May-99	512	COD WASTE VIALS	LAB	\$161	
	5-May-99	512	SPEEDI DRY MCB/PCF	PCF	\$1,797	
	5-May-99	512	DMF/WATER	ACL	\$792	
	5-May-99	513	MCB/PCF	PCF	\$382	
	5-May-99	513	LAB NON-REACTIVE LIQUID	LAB	\$175	
	5-May-99	513	ACETONE, MCB, DEA	HEGCL	\$110	
	1-Jun-99	514	VANCHLOR FERRIC CHLORIDE	VANCHLOR	\$4,312	
	22-Jun-99	515	CALGON FIBERGLASS UNIT	PLANT	\$385	
	22-Jun-99	515	CALGON SS UNIT	PLANT	\$385	
	29-Jun-99	516	ACETONE, MCB, DEA	HEGCL	\$110	
	29-Jun-99	516	SPEEDI DRY WITH MCB, PCF	PCF	\$457	
	29-Jun-99	516	INSULATION WITH THERMINOL	PLANT	\$2,915	
	29-Jun-99	517	CALGON VENTSORB DRUM	PLANT	\$241	
	29-Jun-99	517	PTSI RESIDUE	PTSI	\$2,408	
	29-Jun-99	517	SPEEDI DRY/ PLANT SAMPLES/OIL	PLANT	\$482	
	29-Jun-99	518	WASTE FILTERS	PLANT	\$963	
	29-Jun-99	519	OIL WITH MCB	PNBC	\$663	
	29-Jun-99	519	COD WASTE VIALS	LAB	\$80	
	29-Jun-99	519	LAB SOLID WASTE	LAB	\$241	
	29-Jun-99	519	LAB NON-REACTIVE LIQUID	LAB	\$166	
	29-Jun-99	520	MCB/PNBC	PNBC	\$2,117	
	1-Jul-99	521	SAFETY KLEEN SOLVENT	PLANT	\$350	
	7-Jul-99	522	WASTE ETHYL ACETATE	TIC-C	\$0	
	9-Jul-99	523	WASTE ETHYL ACETATE	TIC-C	\$0	
	10-Jul-99	524	WASTE ETHYL ACETATE	TIC-C	\$0	
	12-Jul-99	525	WASTE ETHYL ACETATE	TIC-C	\$0	
	14-Jul-99	526	WASTE ETHYL ACETATE	TIC-C	\$0	
	15-Jul-99	527	WASTE ETHYL ACETATE	TIC-C	\$0	
	20-Jul-99	528	CALGON SS CYCLESORB UNIT	PLANT	\$770	
	0-Jan-00	0		0	0	\$0
	0-Jan-00	0	2ND QUARTER SUMMARY		0	\$0
	#REF!	0		0	0	\$0

1999 waste tax calculations - 4th quarter 1999
Rev

QTY		WASTE DESCRIPTION	HAZ/ NON	TSDF	DISP METHOD	SHIP DATE	DISP VOL	DISP WT	HAZ WT	INCINERATION WT	WW WT	RECYCLE RECOVERY	MFST DOC	STATE MFST
1		WASTE ETHYL ACETATE	HAZ	GAGE	RECYCLE	4-Oct-99	5250	39,375	39,375			39,375	560	MI7744213
6		CALGON FRP UNIT	HAZ	CALGON	RECYCLE	17-Nov-99		4,000	4,000	0		4,000	568	PA9199831
1		WASTE TETRAHYDROFURAN	HAZ	CLEAN HAR	INCIN	26-Oct-99	50	180	180	180			564	IL8496522
5		OIL W/MCB	HAZ	CLEAN HAR	INCIN	26-Oct-99	300	2,615	2,615	2,615			564	IL8496522
1		HAZ WASTE FILTERS	HAZ	CLEAN HAR	INCIN	26-Oct-99	50	55	55	55			562	MAK250837
3		VENTSORB WASTE	HAZ	CLEAN HAR	INCIN	26-Oct-99	150	1,103	1,103	1,103			563	CTF0891519
1		LAB SOLID WASTE/SPILL CLEAN- UP	HAZ	CLEAN HAR	INCIN	26-Oct-99	300	2,276	2,276	2,276			564	IL8496522
6		WASTE ETHYL ACETATE	HAZ	CLEAN HAR	INCIN	26-Oct-99	50	320	320	320			567	IL8496521
1		METHYLENE CHLORIDE	HAZ	CLEAN HAR	INCIN	26-Oct-99	50	400	400	400			562	MAK250837
1		COD WASTE VIALS	HAZ	CLEAN HAR	TREAT	26-Oct-99	2	10	10			10	564	IL8496522
6		WASTE SOLID	HAZ	CALGON	RECYCLE	22-Dec-99		10,000	10,000	0		10,000	570	PA9199816
2		LAB NON-REACTIVE LIQUID	HAZ	CLEAN HAR	INCIN	26-Oct-99	50	455	455	455			567	IL8496521
		MCB/WATER	HAZ	CLEAN HAR	INCIN	26-Oct-99	500	5,172	5,172	5,172			567	IL8496521
		MCB/PNBC	HAZ	CLEAN HAR	INCIN	26-Oct-99	600	5,294	5,294	5,294			567	IL8496521
1		WASTE METHANOL	HAZ	SPRING GROVE	INCIN	26-Oct-99	50	185	185	185			566	NYG2277261
1		ACETONE/MCB/DEA	HAZ	CLEAN HAR	INCIN	26-Oct-99	250	1,775	1,775	1,775			562	MAK250837
1		WASTE HEXANES	HAZ	SPRING GROVE	INCIN	26-Oct-99	50	280	280	280			566	NYG2277261
1		SPEEDY DRY W/OIL & MCB	HAZ	ENSCO	INCIN	27-Dec-99		400	400	400			571	AR1033130
1		MCB/DEA WATER	HAZ	ENSCO	INCIN	27-Dec-99		1,660	1,660	1,660			571	AR1033130
12		SS CYCLESORB UNIT	HAZ	CALGON	RECYCLE	17-Nov-99		2,000	2,000	0		2,000	568	PA9199831
10		TOLUENE WASTE	HAZ	ENSCO	INCIN	27-Dec-99		642	642	642			574	AR1033133
2		THF/HEPTANE/HEXANE	HAZ	ENSCO	INCIN	27-Dec-99		335	335	335			574	AR1033133
1		HEGCL STILLBOTTOMS	HAZ	ENSCO	INCIN	27-Dec-99		673	673	673			573	AR1033132
1		LAB SOLID WASTE	HAZ	ENSCO	INCIN	27-Dec-99		3,043	3,043	3,043			571	AR1033130
2		WASTE HEPTANES	HAZ	SPRING GROVE	INCIN	26-Oct-99	50	235	235	235			566	NYG2277261
10		USED ACETONE	HAZ	ENSCO	INCIN	27-Dec-99		2,587	2,587	2,587			571	AR1033130
1		OILI W/ MCB	HAZ	ENSCO	INCIN	27-Dec-99		2,158	2,158	2,158			572	AR1033131
8		ORGANIC LIQUID WASTE	HAZ	ENSCO	INCIN	27-Dec-99		1,380	1,380	1,380			573	AR1033132
4		LAB NON REACTIVE LIQUIDS	HAZ	ENSCO	INCIN	27-Dec-99		763	763	763			572	AR1033131
5		THF & HEPTANE	HAZ	ENSCO	INCIN	27-Dec-99		330	330	330			572	AR1033131
2		THE/HEPTANE/HEXANE	HAZ	ENSCO	INCIN	27-Dec-99		337	337	337			572	AR1033131
1		ORGANIC LIQUID WASTE	HAZ	ENSCO	INCIN	27-Dec-99		1,140	1,140	1,140			573	AR1033132
1		DIOXANE	HAZ	ENSCO	INCIN	27-Dec-99		495	495	495			573	AR1033132
										18.14		27.69		

TONS INCINERATION	18.14
TONS RECYCLY / RECOVERY	27.69
TOTAL TONS 4TH QTR	45.84
\$\$\$ INCINERATION	\$225.60

2000 HAZARDOUS WASTE REPORT WORKSHEET
Rev 17-Nov-00

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	EST COST \$	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	COMBUSTIBLE LIQUID DMF	NON		ACL	ROSS	WPS41964	INCIN	14-Jan-00		3072	23,040			0	0	578	NYB5588118	ROSS	
1	RQ WASTE (CAUSTIC)	HAZ	D002		CECOS	BB7039	TREATED	3-Feb-00		4622	38,547	38,547				579	NYG2284344	HAZMAT	
6	RQ HAZ WST SOLID	HAZ	F002, F003, F005, D021, D022	Lab	ENSCO	65864	INCIN	7-Feb-00		NA	1,731	1,731	1,731	0	0	580	AR1033229	DART	
1	RQ HAZ WST SOLID	HAZ	F002, D021	PTSI	ENSCO	1309238	INCIN	7-Feb-00		NA	400	400	400	0	0	580	AR1033229	DART	
15	WST LQ 2 PROPANOL	HAZ	D001, F002	Integra	ENSCO	1309275	INCIN	7-Feb-00		NA	5,235	5,235	5,235	0	0	580	AR1033229	DART	
12	WST LQ ACETONE MCB	HAZ	D001, F002, F003, D021	PTSI	ENSCO	658586	INCIN	7-Feb-00		NA	4,490	4,490	4,490	0	0	580	AR1033229	DART	
4	WST LQ CHLORBENZENE/TRIM	HAZ	D001, F002, D021	PTSI	ENSCO	658591	INCIN	7-Feb-00		NA	1,573	1573	1,573	0	0	581	AR1033231	DART	
3	WST LQ FUEL OIL/MCB	HAZ	D001, F002, D021	PTSI	ENSCO	664293	INCIN	7-Feb-00		NA	1,284	1284	1,284	0	0	581	AR1033231	DART	
29	WST LQ PROPARGYL ALCOHOL	HAZ	D001	PNBC	ENSCO	1309280	INCIN	7-Feb-00		NA	11,600	11600	11,600	0	0	581	AR1033231	DART	
2	WST LQ THF/HCL	HAZ	D001, D002	Pilot Lab	ENSCO	1309252	INCIN	7-Feb-00		NA	427	427	427	0	0	581	AR1033231	DART	
1	WST LQ ACETONE/METHONOL	HAZ	D001, F002, F003, F005, D021, D022	R&D Lab	ENSCO	658565	INCIN	7-Feb-00		NA	400	400	400	0	0	582	AR1033832	DART	
4	WST LQ	HAZ	F002	Integra	ENSCO	1309278	INCIN	7-Feb-00		NA	1,796	1796	1,796	0	0	582	AR1033832	DART	
2	WST SOLID	HAZ	D003, D021, F002, F003, F005,	VC Plant	ENSCO	1309243	INCIN	7-Feb-00		NA	703	703	703	0	0	582	AR1033832	DART	
3	TOXIC SOLIDS ORGANIC/PCF	NON		PNBC	ENSCO	1309279	INCIN	7-Feb-00		NA	300	0	300	0	0	583	NYD002116192	DART	
2	AVENOL/MACOL/H2O	NON		AVANEL	ENSCO	1309281	INCIN	7-Feb-00		NA	800	0	800	0	0	584	NYD002116192	DART	
2	SPEEDI DRI / OIL	NON		PTSI	ENSCO	1309242	INCIN	7-Feb-00		NA	652	0	652	0	0	584	NYD002116192	DART	
2	WATER / DIOXANE	NON		Pilot Lab	ENSCO	1309227	INCIN	7-Feb-00		NA	831	0	831	0	0	584	NYD002116192	DART	
3	PSTI RESIDUE	NON		PTSI	ENSCO	131168		7-Feb-00		NA	1,848	0	1,848	0	0	584	NYD002116192	DART	
2	WST SOLID	HAZ	F005, F002	Effluent	CALGON	CAN2543R		14-Feb-00		NA	10,000	10,000	10,000	0	0	585	PAX9199750	HAZMAT	
1	WST LQ	HAZ	D002		CECOS	12342	TREATED	9-Feb-00		2500	20,850	20,850	0	20,850	0	586	NYD002116192	HAZMAT	
1	WASTE NITRIC ACID	HAZ	D002		CWM SVC	CP0885	TREATED	23-Feb-00		NA	434	434	0	434	0	587	NYG2285145	HAZMAT	
1	WASTE CAUSTIC LIQUIDS	HAZ	D002		CWM SVC	BY1701	TREATED	23-Feb-00		NA	472	472	0	472	0	587	NYG2285145	HAZMAT	
1	WASTE FLAM LIQUID	HAZ	D001, D003	ACL	ROSS	WPS53054	INCIN	25-Feb-00		3409	25,568	25,568	3,409	0	0	588	NYB5588127	ROSS	
6	WASTE SOLID	HAZ	F002, F003, F005	Lab	ENSCO	WMDS658564	INCIN	6-Mar-00		NA	2,112	2,112	2,112	0	0	589	AR1123221	DART	
1	WASTE TOLUENE	HAZ	D001, F005	HEGCL	ENSCO	WMDS749870	INCIN	6-Mar-00		NA	294	294	294	0	0	589	AR1123221	DART	
12	WASTE LIQUID	HAZ	D001, F002	R&D Lab	ENSCO	WMDS1309275	INCIN	6-Mar-00		NA	4,057	4,057	4,057	0	0	589	AR1123221	DART	
1	WASTE LIQUID	HAZ	D001, F002, D021	PTSI	ENSCO	WMDS664293	INCIN	6-Mar-00		NA	473	473	473	0	0	589	AR1123221	DART	
3	WASTE FILTERS	HAZ	F002	Plant	ENSCO	WMDS1309278	INCIN	6-Mar-00		NA	1,237	1,237	1,237	0	0	590	AR1123219	DART	
3	AQUEOUS LIQUID	HAZ	D003, D021, F002	Integra	ENSCO	WMDS1309243	INCIN	6-Mar-00		NA	1,431	1,431	1,431	0	0	590	AR1123219	DART	
2	LAB LIQUIDS	HAZ	D001, F002, F003	Lab	ENSCO	WMDS658565	INCIN	6-Mar-00		NA	544	544	544	0	0	590	AR1123219	DART	
6	WASTE LIQUID	HAZ	D001, F002, F003		ENSCO	WMDS658586	INCIN	6-Mar-00		NA	1,913	1,913	1,913	0	0	591	AR1123222	DART	
19	USED DMF	NON		ACL	ENSCO	WMDS658592	INCIN	6-Mar-00		NA	7,862	0	7,862	0	0	592		DART	
8	SPEED DRI / OIL	NON			ENSCO	WMDS1309242	INCIN	6-Mar-00		NA	3,837	0	3,837	0	0	592		DART	
6	PTSI RESIDUE	NON		PTSI	ENSCO	WMDS225079	INCIN	6-Mar-00		NA	3,776	0	3,776	0	0	592		DART	
2	OIL / WATER	NON			ENSCO	WMDS658568	INCIN	6-Mar-00		NA	844	0	844	0	0	592		DART	
1	VENTSORB / LAB	NON		Pilot Lab	ENSCO	WMDS1309273	INCIN	6-Mar-00		NA	280	0	280	0	0	593		DART	
8	CARBON CATALYST	NON			ENSCO	WMDS1318794	INCIN	6-Mar-00		NA	2,763	0	2,763	0	0	593		DART	
1	WASTE FLAM LIQUID	HAZ	F005		CLEAN HARBOR	CH4592B	TREATED	13-Mar-00		4300	32,250	32,250		0	0	594	MDC0869098	CLN HARBOR	
10	WASTE MCB/DEA	HAZ	D001, F002, D021	HEGCL	ENSCO	WMDS1309246	INCIN	7-Apr-00		NA	3,923	3,923	3,923	0	0	595	AR1123194	DART	
2	WASTE OIL W/MCB	HAZ	D001, F002, D021	PTSI	ENSCO	WMDS664293	INCIN	7-Apr-00		NA	800	800	800	0	0	595	AR1123194	DART	
1	WASTE OIL W/MCB	HAZ	D001, F002, D021	PTSI	ENSCO	WMDS664293	INCIN	7-Apr-00		NA	433	433	433	0	0	595	AR1123194	DART	
6	WASTE LAB SOLID	HAZ	F002, F003, F005	R&D Lab	ENSCO	WMDS658564	INCIN	7-Apr-00		NA	2,067	2,067	2,067	0	0	595	AR1123194	DART	
1	WASTE LAB NON REACTIVE	HAZ	D001, F002, F003, F005, D021, D022	R&D Lab	ENSCO	WMDS658565	INCIN	7-Apr-00		NA	474	474	474	0	0	596	AR1123197	DART	
3	WASTE FILTERS	HAZ	D003, D021, F002, F003, F005		ENSCO	WMDS1309243	INCIN	7-Apr-00		NA	969	969	969	0	0	596	AR1123197	DART	

2000 HAZARDOUS WASTE REPORT WORKSHEET
Rev 17-Nov-00

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	EST COST \$	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
3	WASTE VENTSORB	HAZ	F002, D021		ENSCO	WMDS1309247	INCIN	7-Apr-00		NA	858	858	858	0	0	596	AR1123197	DART	
21	WASTE TOLUENE	HAZ	D001, F005		ENSCO	WMDS749870	INCIN	7-Apr-00		NA	9,194	9,194	9,194	0	0	596	AR1123197	DART	
1	WASTE MCB/WATER	HAZ	D001, F002, D021		ENSCO	WMDS658591	INCIN	7-Apr-00		NA	444	444	444	0	0	597	AR1123198	DART	
1	WASTE THF, HEP/HEX	HAZ	D001, D002	Pilot Lab	ENSCO	WMDS1309252	INCIN	7-Apr-00		NA	425	425	425	0	0	597	AR1123198	DART	
3	WASTE THF, HEP/HEX	HAZ	D001, D002	Pilot Lab	ENSCO	WMDS1309252	INCIN	7-Apr-00		NA	1,082	1,082	1,082	0	0	597	AR1123198	DART	
1	WASTE ACETONE	HAZ	D001, F002, F003, D021	Plant	ENSCO	WMDS1309255	INCIN	7-Apr-00		NA	417	417	417	0	0	597	AR1123198	DART	
5	PTSI RESIDUE	NON		PTSI	ENSCO	WMDS225079	INCIN	7-Apr-00		NA	3,213	0	3,213	0	0	598			
3	WATER/DIOXANE	NON		Pilot Lab	ENSCO	WMDS1309227	INCIN	7-Apr-00		NA	1,400	0	1,400	0	0	598			
1	SPEEDI-DRI/OIL	NON			ENSCO	WMDS1309242	INCIN	7-Apr-00		NA	639	0	639	0	0	598			
4	CARBON CATALYST	NON		CBC	ENSCO	WMDS1318794	INCIN	7-Apr-00		NA	1,465	0	1,465	0	0	598			
9	SOIL/STONE/DEBRIS	NON			ENSCO	WMDS1318815	INCIN	7-Apr-00		NA	6,345	0	6,345	0	0	599			
17	USED DMF	NON		ACL	ENSCO	WMDS658592	INCIN	7-Apr-00		NA	6,800	0	6,800	0	0	599			
3	WASTE SOLID	HAZ	F005, F002		CALGON CARBON	CAN2543R	TREATED	10-Apr-00		NA	9,000	9,000	0	9,000	0	600	PA9199761	HAZMAT	
27	WASTE SLUDGE	HAZ	F002, F005, D021		ENSCO	WMDS1309265	INCIN	5-May-00		NA	19,148	19,148	19,148	0	0	601	AR1123165	DART	
1	WASTE PTSI	HAZ	D003, D021	PTSI	ENSCO	WMDS1318824	INCIN	5-May-00		NA	234	234	234	0	0	602	AR1123167	DART	
4	WASTE FILTERS	HAZ	F002, D021		ENSCO	WMDS1309247	INCIN	5-May-00		NA	1,062	1,062	1,062	0	0	602	AR1123167	DART	
1	VENTSORB WASTE	HAZ	D003, D021, F002		ENSCO	WMDS1309243	INCIN	5-May-00		NA	212	212	212	0	0	602	AR1123167	DART	
6	LAB SOLID WASTE	HAZ	F002, F003, F005	R&D Lab	ENSCO	WMDS658564	INCIN	5-May-00		NA	1,830	1,830	1,830	0	0	602	AR1123167	DART	
1	MCB AND WATER	HAZ	D001, F002, D021		ENSCO	WMDS658591	INCIN	5-May-00		NA	532	532	532	0	0	603	AR1123168	DART	
1	LAB NON REACTIVE	HAZ	D001, F002, F003	R&D Lab	ENSCO	WMDS658565	INCIN	5-May-00		NA	465	465	465	0	0	603	AR1123168	DART	
5	WASTE METHANOL	HAZ	D001, F003	Pilot Lab	ENSCO	WMDS1309250	INCIN	5-May-00		NA	1,906	1,906	1,906	0	0	603	AR1123168	DART	
2	OIL WITH MCB	HAZ	D001, F002, D021	PTSI	ENSCO	WMDS664293	INCIN	5-May-00		NA	847	847	847	0	0	603	AR1123168	DART	
1	ORGANINC LIQUID WASTE	HAZ	D001, F002	R&D Lab	ENSCO	WMDS1309275	INCIN	5-May-00		NA	350	350	350	0	0	604	AR1123169	DART	
1	SPEEDI-DRI W/OIL/MCB	HAZ	F002, D021	PTSI	ENSCO	WMDS1309238	INCIN	5-May-00		NA	375	375	375	0	0	604	AR1123169	DART	
4	WATER SOFTENER	NON			ENSCO	WMDS1328074	INCIN	5-May-00		NA	1,431	0	1,431	0	0	605		DART	
12	USED DMF	NON		ACL	ENSCO	WMDS658592	INCIN	5-May-00		NA	4,800	0	4,800	0	0	605		DART	
8	WATER/DIOXANE	NON		Pilot Lab	ENSCO	WMDS1309227	INCIN	5-May-00		NA	3,727	0	3,727	0	0	605		DART	
8	SPENT CARBON CAT	NON			ENSCO	WMDS1318794	INCIN	5-May-00		NA	2,912	0	2,912	0	0	605		DART	
5	PTSI RESIDUE	NON		PTSI	ENSCO	WMDS225079	INCIN	5-May-00		NA	3,080	0	3,080	0	0	606		DART	
2	AVANEL WASTE	NON		AVANEL	ENSCO	WMDS1309281	INCIN	5-May-00		NA	773	0	773	0	0	606		DART	
1	WASTE OIL	NON			ENSCO	WMDS658568	INCIN	5-May-00		NA	442	0	442	0	0	606		DART	
1	CARBON REACTIVE	HAZ	F002	Effluent	CALGON CARBON	CAN25429	TREATED	15-May-00		NA	1,000	1,000	0	1000	0	607	PA9199853	HAZMAT	
3	CARBON REACTIVE	HAZ	F002, F005	Effluent	CALGON CARBON	CAN2543R	TREATED	15-May-00		NA	6,000	6,000	0	6000	0	608	PA9199772	HAZMAT	
1	COMBUSTIBLE LIQUID	NON			SAFETY KLEEN	45860	RECYCLE	26-May-00		NA	174	174	0	0	174	609		SFTY KLEEN	
7	WASTE FILTERS	HAZ	D003, D021, F002, F003, F005		ENSCO	WMDS1309243	INCIN	16-Jun-00		NA	3,126	3,126	3,126	0	0	610	AR1123110	DART	
5	LAB SOLID WASTE	HAZ	D021, D022	R&D Lab	ENSCO	WMDS658564	INCIN	16-Jun-00		NA	1,906	1,906	1,906	0	0	610	AR1123110	DART	
7	ORGANIC LIQUID WST	HAZ	D001, F002,	R&D Lab	ENSCO	WMDS1309275	INCIN	16-Jun-00		NA	2,187	2,187	2,187	0	0	610	AR1123110	DART	
2	AQUEOUS LIQUID WST	HAZ	F002	R&D Lab	ENSCO	WMDS1309278	INCIN	16-Jun-00		NA	770	770	770	0	0	610	AR1123110	DART	
2	WASTE METHANOL	HAZ	D001, F003	Pilot Lab	ENSCO	WMDS1309250	INCIN	16-Jun-00		NA	790	790	790	0	0	611	AR1123111	DART	
4	VENTSORB CARBON WST	HAZ	F002, D021		ENSCO	WMDS1309247	INCIN	16-Jun-00		NA	1075	1,075	1075	0	0	611	AR1123111	DART	
2	MCB AND WATER	HAZ	D001, F002, D021		ENSCO	WMDS658591	INCIN	16-Jun-00		NA	985	985	985	0	0	611	AR1123111	DART	
5	USED ACETONE	HAZ	D001, F002, F003, D021		ENSCO	WMDS658586	INCIN	16-Jun-00		NA	1879	1,879	1879	0	0	611	AR1123111	DART	
1	OIL W/MCB	HAZ	D001, F002, D012	PTSI	ENSCO	WMDS664293	INCIN	16-Jun-00		NA	448	448	448	0	0	612	AR1123112	DART	
1	AQUEOUS TANK SLUDGE	HAZ	F002, F005, D021		ENSCO	WMDS1309265	INCIN	16-Jun-00		NA	382	382	382	0	0	612	AR1123112	DART	
5	WASTE TOLUENE	HAZ	D001, F005		ENSCO	WMDS749870	INCIN	16-Jun-00		NA	2000	2,000	2000	0	0	612	AR1123112	DART	
1	THF/HEPTANE NEUT.	HAZ	D001		ENSCO	WMDS1309244	INCIN	16-Jun-00		NA	490	490	490	0	0	612	AR1123112	DART	
1	LAB NON REACTIVE LIQ	HAZ	D001, F002, F003, F005, D021, D022	R&D Lab	ENSCO	WMDS658565	INCIN	16-Jun-00		NA	430	430	430	0	0	613	AR1123113	DART	
1	ACETONE/MCB & DEA	HAZ	D001, F002, F003, D021		ENSCO	WMDS1309255	INCIN	16-Jun-00		NA	461	461	461	0	0	613	AR1123113	DART	
1	PAINT WASTE	HAZ	D001		ENSCO	WMDS1328186	INCIN	16-Jun-00		NA	542	542	542	0	0	613	AR1123113	DART	
2	THF/HEPTANE & HEXAN	HAZ	D001, D002	Pilot Lab	ENSCO	WMDS1309252	INCIN	16-Jun-00		NA	695	695	695	0	0	613	AR1123113	DART	

2000 HAZARDOUS WASTE REPORT WORKSHEET
Rev 17-Nov-00

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	EST COST \$	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	MCB/PNBC	HAZ	F002, D021, D001	PNBC	ENSCO	WMDS130924	INCIN	16-Jun-00		NA	463	463	463	0	0	614	AR1123114	DART	
8	PTSI RESIDUE	NON		PTSI	ENSCO	WMDS225079	INCIN	16-Jun-00		NA	4750	0	4750	0	0	615		DART	
6	WATER/DIOXANE	NON		Pilot Lab	ENSCO	WMDS130922	INCIN	16-Jun-00		NA	2837	0	2839	0	0	615		DART	
26	USED DMF	NON		ACL	ENSCO	WMDS658592	INCIN	16-Jun-00		NA	10972	0	10972	0	0	615		DART	
1	FILITERS	NON			ENSCO	WMDS658566	INCIN	16-Jun-00		NA	263	0	263	0	0	615		DART	
1	SPEEDI DRI/OIL	NON			ENSCO	WMDS13092	INCIN	16-Jun-00		NA	352	0	352	0	0	616		DART	
1	ACID SPILL CLEANUP	NON			ENSCO	WMDS132818	INCIN	16-Jun-00		NA	555	0	555	0	0	616		DART	
2	WASTE SOLID	HAZ	F002, F005		CALGON CARBON	CAN2543R	TREATED	20-Jun-00		NA	11,200	11,200	0	11200	0	617	PA9199783	HAZMAT	
2	POH/WATER	HAZ	DOO1		ENSCO	WMDS130928	INCIN	7-Jul-00		NA	836	836	836	0	0	618	AR1123089	DART	
3	WASTE TOLUENE	HAZ	D001, F005		ENSCO	WMDS749870	INCIN	7-Jul-00		NA	979	979	979	0	0	618	AR1123089	DART	
5	HEGCL STILLBOTTOMS	HAZ	D001, F005	HEGCL	ENSCO	WMDS130926	INCIN	7-Jul-00		NA	690	690	690	0	0	618	AR1123089	DART	
2	MCB/PNBC	HAZ	F002, D021, D001	PNBC	ENSCO	WMDS130924	INCIN	7-Jul-00		NA	800	800	800	0	0	618	AR1123089	DART	
4	THF/HEPTANES/HEXAN	HAZ	D001, D002		ENSCO	1309252	INCIN	7-Jul-00		NA	1,432	1,432	1432	0	0	618	AR1123089	DART	
3	VENTSORB CARBON W	HAZ	F002, D021		ENSCO	1309247	INCIN	7-Jul-00		NA	776	776	776	0	0	618	AR1123089	DART	
3	WASTE FILTERS	HAZ	D003, D021, F002		ENSCO	1309243	INCIN	7-Jul-00		NA	1,468	1,468	1468	0	0	618	AR1123089	DART	
1	OIL W/MCB	HAZ	D001, F002, D021		ENSCO	664293	INCIN	7-Jul-00		NA	405	405	405	0	0	618	AR1123089	DART	
1	THF/HEPTANE	HAZ	D001		ENSCO	1309244	INCIN	7-Jul-00		NA	428	428	428	0	0	618	AR1123089	DART	
1	TEU WASTE	HAZ	D001, F005		ENSCO	1328204	INCIN	7-Jul-00		NA	342	342	342	0	0	618	AR1123089	DART	
1	LAB SOLID WASTE	HAZ	F002, F003, F005, D021, D022		ENSCO	658564	INCIN	7-Jul-00		NA	141	141	141	0	0	618	AR1123089	DART	
1	LAB NON REACTIVE WS	HAZ	D001, F002, F003, F005, D021, D022		ENSCO	658565	INCIN	7-Jul-00		NA	456	456	456	0	0	618	AR1123089	DART	
1	VENT SORB	NON			ENSCO	WMDS130927	INCIN	7-Jul-00		NA	247	0	247	0	0	619		DART	
3	PTSI RESIDUE	NON			ENSCO	WMDS225079	INCIN	7-Jul-00		NA	1,827	0	1827	0	0	619		DART	
43	USED DMF	NON			ENSCO	WMDS658592	INCIN	7-Jul-00		NA	18,682	0	18682	0	0	619		DART	
4	MANHOLE SLUDGE	NON			ENSCO	WMDS1309245	INCIN	7-Jul-00		NA	2,800	0	2800	0	0	619		DART	
2	H2O/DIOXANE	NON			ENSCO	1309227	INCIN	7-Jul-00		NA	954	0	954	0	0	620		DART	
4	SPENT CARBON	NON			ENSCO	1318794	INCIN	7-Jul-00		NA	1,466	0	1466	0	0	620		DART	
1	WASTE FLAMMABLE LIQ	HAZ	F005		ROSS	WPS53148	INCIN	14-Jul-00		NA	5,351	5,351	5351	0	0	621	NYB558742 5	ROSS	
1	WASTE FLAMMABLE LIQ	HAZ	F005		ROSS	WPS53148	INCIN	21-Jul-00		NA	40,460	40,460	40460	0	0	622	NYB5587407		
2	WASTE SOLID	HAZ	F002		CALGON CARBON	CAN2542R	RECYCLE	20-Jul-00		NA	5,000	5,000	0	0	5000	623	NYB5565132	CALGON CARBON	
1	WASTE SOLID	HAZ	F002, F005		CALGON CARBON	CAN2543R	RECYCLE	20-Jul-00		NA	5,600	5,600	0	0	5600	623	NYB5565132	CALGON CARBON	
1	WASTE FLAMMABLE LIQ	HAZ	F005		ROSS	WPS53148	INCIN	28-Jul-00		5524	39,160			0	0	624	NYB5587488	ROSS	
1	TOLUENE/METHANOL	HAZ	F003, F005, D001		CLEAN HARBORS	CH1871528	INCIN	3-Aug-00		4896	40,833			0	0	625	MDC0902236	CLEAN HARBORS	
1	TOLUENE/DEA	HAZ	F005, D001, D002		ROSS	WPS52906	INCIN	4-Aug-00		5002	37,545			0	0	626	NYB5587497	ROSS	
1	METHONOL/TOLUENE	HAZ	F003, F005, D001		CLEAN HARBORS	CH1871628	INCIN	16-Aug-00		2913	21,865			0	0	627	MCD0902143	CLEAN HARBORS	
1	PETROLEUM NAP/LIQ	NON			SAFETY KLEEN	33916AP	INCIN	22-Aug-00		NA	26	26	26	0	0	628	NYD175773779	SFTY KLEEN	
2	THR/HEP/HEXANE	HAZ	D001, D002		ENSCO	WMDS1309252	INCIN	7-Sep-00		NA	786	786	786	0	0	629	AR1123023	DART	
7	WASTE FILTERS	HAZ	D003, D021, F002, F003, F005		ENSCO	WMDS1309243	INCIN	7-Sep-00		NA	3,329	3,329	3329	0	0	629	AR1123023	DART	
6	LAB SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	WMDS658564	INCIN	7-Sep-00		NA	2,047	2,047	2047	0	0	629	AR1123023	DART	
4	VENTSORB CARBON	HAZ	F002, D021		ENSCO	WMDS1309247	INCIN	7-Sep-00		NA	1,167	1,167	1167	0	0	629	AR1123023	DART	
1	LAB LIQUID	HAZ	D001, F002, F003, F005, D021, D022		ENSCO	WMDS658565	INCIN	7-Sep-00		NA	466	466	466	0	0	630	AR1123024	DART	
3	MCB/PNBC	HAZ	F002, D021, D001		ENSCO	WMDS1309241	INCIN	7-Sep-00		NA	1,569	1,569	1569	0	0	630	AR1123024	DART	
1	OIL WITH MCB	HAZ	D001, F002, D021		ENSCO	WMDS664293	INCIN	7-Sep-00		NA	508	508	508	0	0	630	AR1123024	DART	
6	PTSI RESIDUE	NON		PTSI	ENSCO	WMDS225079	INCIN	7-Sep-00		NA	3,672	3,672	3672	0	0	631		DART	
4	SPENT CARBON	NON			ENSCO	WMDS1318794	INCIN	7-Sep-00		NA	1,511	1,511	1511	0	0	631		DART	
2	ACID SPILL CLEANUP	NON			ENSCO	WMDS1328187	INCIN	7-Sep-00		NA	538	538	538	0	0	631		DART	
3	WASTE FILTERS	NON			ENSCO	WMDS658566	INCIN	7-Sep-00		NA	991	991	991	0	0	631		DART	
1	WASTE FLAM LIQUID	HAZ	F003, F005, D001		CLEAN HARBORS	CH187152B	INCIN	8-Sep-00		3444	25,851			0	0	632	MDC0902171	FRANKS VACUUM	
2	WASTE SOLID	HAZ	F005, F002		CALGON CARBON	CAN2543R	INCIN	11-Sep-00		NA	11,200	11,200	11200	0	0	633	PA9199820	HAZMAT	
1	WASTE FLAM LIQUID	HAZ	F003, F005, D001		CLEAN HARBORS	CH187152B	INCIN	15-Sep-00		NA	22,760	22,760	22760	0	0	634	MCD0901519	CLEAN HARBORS	
1	WASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HARBORS	CH4592B	TREATED	15-Sep-00		3102	25,871			25871	0	635	MDC0727114	FRANKS VACUUM	
1	WST MET/TOL LIQUID	HAZ	F003, F005, D001	CARBAEST	CLEAN HARBORS	CH18715B	INCIN	22-Sep-00		4700	39,198			0	0	636	MDC0727115	FRANKS VACUUM	
1	DIMETHYL FOR/LIQUID	HAZ		ACL	ROSS	WPS41004	INCIN	27-Sep-00		2552	17,027			0	0	637	NYB558541	ROSS	

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[illegible]

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[illegible]

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[illegible]

TONS GENERATED		79.63
TONS NOT SUBJECT TO ASSESSMENT		1.50
TONS SUBJECT TO ASSESSMENT		78.13
\$ FOR INCINERATION		\$258.20
\$ FOR TREATMENT		\$791.00

2000 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax.
Rev 19-Jun-00

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	EST COST \$	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
10	WASTE MCB/DEA	HAZ	D001, F002, D021	HEGCL	ENSCO	WMDS1309246	INCIN	7-Apr-00		NA	3,923		3,923	0	0	595	AR1123194	DART	
2	WASTE OIL W/MCB	HAZ	D001, F002, D021	PTSI	ENSCO	WMDS664293	INCIN	7-Apr-00		NA	800		800	0	0	595	AR1123194	DART	
1	WASTE OIL W/MCB	HAZ	D001, F002, D021	PTSI	ENSCO	WMDS664293	INCIN	7-Apr-00		NA	433		433	0	0	595	AR1123194	DART	
6	WASTE LAB SOLID	HAZ	F002, F003, F005	R&D Lab	ENSCO	WMDS658564	INCIN	7-Apr-00		NA	2,067		2,067	0	0	595	AR1123194	DART	
1	WASTE LAB NON REACTIVE	HAZ	D001, F002, F003, F005, D021, D022	R&D Lab	ENSCO	WMDS658565	INCIN	7-Apr-00		NA	474		474	0	0	596	AR1123197	DART	
3	WASTE FILTERS	HAZ	D003, D021, F002, F003, F005		ENSCO	WMDS1309243	INCIN	7-Apr-00		NA	969		969	0	0	596	AR1123197	DART	
3	WASTE VENTSORB	HAZ	F002, D021		ENSCO	WMDS1309247	INCIN	7-Apr-00		NA	858		858	0	0	596	AR1123197	DART	
21	WASTE TOLUENE	HAZ	D001, F005		ENSCO	WMDS749870	INCIN	7-Apr-00		NA	9,194		9,194	0	0	596	AR1123197	DART	
1	WASTE MCB/WATER	HAZ	D001, F002, D021		ENSCO	WMDS658591	INCIN	7-Apr-00		NA	444		444	0	0	597	AR1123198	DART	
1	WASTE THF, HEP/HEX	HAZ	D001, D002	Pilot Lab	ENSCO	WMDS1309252	INCIN	7-Apr-00		NA	425		425	0	0	597	AR1123198	DART	
3	WASTE THF, HEP/HEX	HAZ	D001, D002	Pilot Lab	ENSCO	WMDS1309252	INCIN	7-Apr-00		NA	1,082		1,082	0	0	597	AR1123198	DART	
1	WASTE ACETONE	HAZ	D001, F002, F003, D021		ENSCO	WMDS1309255	INCIN	7-Apr-00		NA	417		417	0	0	597	AR1123198	DART	
3	WASTE SOLID	HAZ	F005, F002		CALGON CARBO	CAN2543R	TREATED	10-Apr-00		NA	9,000		0		9,000	600	PA9199761	HAZMAT	
27	WASTE SLUDGE	HAZ	F002, F005, D021		ENSCO	WMDS1309265	INCIN	5-May-00		NA	19,148		19,148			601	AR1123165	DART	
1	WASTE PTSI	HAZ	D003, D021	PTSI	ENSCO	WMDS1318824	INCIN	5-May-00		NA	234		234			602	AR1123167	DART	
4	WASTE FILTERS	HAZ	F002, D021		ENSCO	WMDS1309247	INCIN	5-May-00		NA	1,062		1,062			602	AR1123167	DART	
1	VENTSORB WASTE	HAZ	D003, D021, F002		ENSCO	WMDS1309243	INCIN	5-May-00		NA	212		212			602	AR1123167	DART	
6	LAB SOLID WASTE	HAZ	F002, F003, F005	R&D Lab	ENSCO	WMDS658564	INCIN	5-May-00		NA	1,830		1,830			602	AR1123167	DART	
1	MCB AND WATER	HAZ	D001, F002, D021		ENSCO	WMDS658591	INCIN	5-May-00		NA	532		532			603	AR1123168	DART	
1	LAB NON REACTIVE	HAZ	D001, F002, F003	R&D Lab	ENSCO	WMDS658565	INCIN	5-May-00		NA	465		465			603	AR1123168	DART	
5	WASTE METHANOL	HAZ	D001, F003	Pilot Lab	ENSCO	WMDS1309250	INCIN	5-May-00		NA	1,906		1,906			603	AR1123168	DART	
2	OIL WITH MCB	HAZ	D001, F002, D021		ENSCO	WMDS664293	INCIN	5-May-00		NA	847		847			603	AR1123168	DART	
1	ORGANIC LIQUID WASTE	HAZ	D001, F002	R&D Lab	ENSCO	WMDS1309275	INCIN	5-May-00		NA	350		350			604	AR1123169	DART	
1	SPEEDI-DRI W/OIL/MCB	HAZ	F002, D021	PTSI	ENSCO	WMDS1309238	INCIN	5-May-00		NA	375		375			604	AR1123169	DART	
1	CARBON REACTIVE	HAZ	F002		CALGON CARBO	CAN25429	TREATED	15-May-00		NA	1,000		0		1,000	607	PA9199853	HAZMAT	
3	CARBON REACTIVE	HAZ	F002, F005		CALGON CARBO	CAN2543R	TREATED	15-May-00		NA	6,000		0		6,000	608	PA9199772	HAZMAT	
7	WASTE FILTERS	HAZ	D003, D021, F002, F003, F005		ENSCO	WMDS1309243	INCIN	16-Jun-00		NA	3,126	0	3,126	0	0	610	AR1123110	DART	
5	LAB SOLID WASTE	HAZ	F002, F003, F005, D021, D022	R&D Lab	ENSCO	WMDS658564	INCIN	16-Jun-00		NA	1,906	0	1,906	0	0	610	AR1123110	DART	
7	ORGANIC LIQUID WST	HAZ	D001, F002, F002	R&D Lab	ENSCO	WMDS1309275	INCIN	16-Jun-00		NA	2,187	0	2,187	0	0	610	AR1123110	DART	
2	AQUEOUS LIQUID WST	HAZ	F002	R&D Lab	ENSCO	WMDS1309278	INCIN	16-Jun-00		NA	770	0	770	0	0	610	AR1123110	DART	
2	WASTE METHANOL	HAZ	D001, F003	Pilot Lab	ENSCO	WMDS1309250	INCIN	16-Jun-00		NA	790	0	790	0	0	611	AR1123111	DART	
4	VENTSORB CARBON WST	HAZ	F002, D021		ENSCO	WMDS1309247	INCIN	16-Jun-00		NA	1075	0	1075	0	0	611	AR1123111	DART	
2	MCB AND WATER	HAZ	D001, F002, D021		ENSCO	WMDS658591	INCIN	16-Jun-00		NA	985	0	985	0	0	611	AR1123111	DART	

2000 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax.
Rev 19-Jun-00

QTY		WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	EST COST \$	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
5		USED ACETONE	HAZ	D001, F002, F003, D021		ENSCO	WMDS658586	INCIN	16-Jun-00		NA	1879	0	1879	0	0	611	AR1123111	DART	
1		OIL W/MCB	HAZ	D001, F002, D012	PTSI	ENSCO	WMDS664293	INCIN	16-Jun-00		NA	448	0	448	0	0	612	AR1123112	DART	
1		AQUEOUS TANK SLUDGE	HAZ	F002, F005, D021		ENSCO	WMDS1309265	INCIN	16-Jun-00		NA	382	0	382	0	0	612	AR1123112	DART	
5		WASTE TOLUENE	HAZ	D001, F005		ENSCO	WMDS749870	INCIN	16-Jun-00		NA	2000	0	2000	0	0	612	AR1123112	DART	
1		THF/HEPTANE NEUT.	HAZ	D001		ENSCO	WMDS1309244	INCIN	16-Jun-00		NA	490	0	490	0	0	612	AR1123112	DART	
1		LAB NON REACTIVE LIQ	HAZ	D001, F002, F003, F005, D021, D022	R&D Lab	ENSCO	WMDS6585655	INCIN	16-Jun-00		NA	430	0	430	0	0	613	AR1123113	DART	
1		ACETONE/MCB & DEA	HAZ	D001, F002, F003, D021		ENSCO	WMDS1309255	INCIN	16-Jun-00		NA	461	0	461	0	0	613	AR1123113	DART	
1		PAINT WASTE	HAZ	D001		ENSCO	WMDS1328186	INCIN	16-Jun-00		NA	542	0	542	0	0	613	AR1123113	DART	
2		THF/HEPTANE & HEXANE	HAZ	D001, D002	Pilot Lab	ENSCO	WMDS1309252	INCIN	16-Jun-00		NA	695	0	695	0	0	613	AR1123113	DART	
1		MCB/PNBC	HAZ	F002, D021, D001	PNBC	ENSCO	WMDS130924	INCIN	16-Jun-00		NA	463	0	463	0	0	614	AR1123114	DART	
2		WASTE SOLID	HAZ	F002, F005		CALGON CARBO	CAN2543R	TREATED	20-Jun-00		NA	11,200		0		11,200	617	PA9199783	HAZMAT	
												46.9		33.3	0.0	13.6				

TONS GENERATED		46.94
TONS NOT SUBJECT TO ASSESSMENT		10.20
TONS SUBJECT TO ASSESSMENT		36.74
\$ FOR INCINERATION		\$330.64
\$ FOR TREATMENT		\$0.00
TOTAL ASSESSMENT		\$330.64

WASTE TAX WORKSHEET 3RD QUARTER 2000
Rev 17-Oct-00

QTY	WASTE DESCRIPTION	HAZ/ NON	TSDF	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
2	POH/WATER	HAZ	ENSCO	INCIN	7-Jul-00	NA	836	836	836	0	0	618	AR1123089	DART	
3	WASTE TOLUENE	HAZ	ENSCO	INCIN	7-Jul-00	NA	979	979	979	0	0	618	AR1123089	DART	
5	HEGCL STILLBOTTOMS	HAZ	ENSCO	INCIN	7-Jul-00	NA	690	690	690	0	0	618	AR1123089	DART	
2	MCB/PNBC	HAZ	ENSCO	INCIN	7-Jul-00	NA	800	800	800	0	0	618	AR1123089	DART	
4	THF/HEPTANES/HEXANE	HAZ	ENSCO	INCIN	7-Jul-00	NA	1,432	1,432	1432	0	0	618	AR1123089	DART	
3	VENTSORB CARBON WST	HAZ	ENSCO	INCIN	7-Jul-00	NA	776	776	776	0	0	618	AR1123089	DART	
3	WASTE FILTERS	HAZ	ENSCO	INCIN	7-Jul-00	NA	1,468	1,468	1468	0	0	618	AR1123089	DART	
1	OIL W/MCB	HAZ	ENSCO	INCIN	7-Jul-00	NA	405	405	405	0	0	618	AR1123089	DART	
1	THF/HEPTANE	HAZ	ENSCO	INCIN	7-Jul-00	NA	428	428	428	0	0	618	AR1123089	DART	
1	TEU WASTE	HAZ	ENSCO	INCIN	7-Jul-00	NA	342	342	342	0	0	618	AR1123089	DART	
1	LAB SOLID WASTE	HAZ	ENSCO	INCIN	7-Jul-00	NA	141	141	141	0	0	618	AR1123089	DART	
1	LAB NON REACTIVE WST	HAZ	ENSCO	INCIN	7-Jul-00	NA	456	456	456	0	0	618	AR1123089	DART	
1	WASTE FLAMMABLE LIQ	HAZ	ROSS	INCIN	14-Jul-00	5351	37,933	37,933	37,933	0	0	621	NYB558742 5	ROSS	
1	WASTE FLAMMABLE LIQ	HAZ	ROSS	INCIN	21-Jul-00	NA	40,460	40,460	40460	0	0	622	NYB5587407		
2	WASTE SOLID	HAZ	CALGON CARBON	RECYCLE	20-Jul-00	NA	5,000	5,000	1250	0	3750	623	NYB5565132	CALGON CARBON	
1	WASTE SOLID	HAZ	CALGON CARBON	RECYCLE	20-Jul-00	NA	5,600	5,600	1400	0	4200	623	NYB5565132	CALGON CARBON	
1	WASTE FLAMMABLE LIQ	HAZ	ROSS	INCIN	28-Jul-00	5524	39,160	39,160	39,160	0	0	624	NYB5587488	ROSS	
1	TOLUENE/METHANOL	HAZ	CLEAN HARBORS	INCIN	3-Aug-00	4896	36,749	36,749	36,749	0	0	625	MDC0902236	CLEAN HARBORS	
1	TOLUENE/DEA	HAZ	ROSS	INCIN	4-Aug-00	5002	37,545	37,545	37,545	0	0	626	NYB5587497	ROSS	
1	METHONOL/TOLUENE	HAZ	CLEAN HARBORS	INCIN	16-Aug-00	2913	21,865	21,865	21,865	0	0	627	MCD0902143	CLEAN HARBORS	
2	THR/HEP/HEXANE	HAZ	ENSCO	INCIN	7-Sep-00	NA	786	786	786	0	0	629	AR1123023	DART	
7	WASTE FILTERS	HAZ	ENSCO	INCIN	7-Sep-00	NA	3,329	3,329	3329	0	0	629	AR1123023	DART	
6	LAB SOLID	HAZ	ENSCO	INCIN	7-Sep-00	NA	2,047	2,047	2047	0	0	629	AR1123023	DART	
4	VENTSORB CARBON	HAZ	ENSCO	INCIN	7-Sep-00	NA	1,167	1,167	1167	0	0	629	AR1123023	DART	
1	LAB LIQUID	HAZ	ENSCO	INCIN	7-Sep-00	NA	466	466	466	0	0	630	AR1123024	DART	
3	MCB/PNBC	HAZ	ENSCO	INCIN	7-Sep-00	NA	1,569	1,569	1569	0	0	630	AR1123024	DART	
1	OIL WITH MCB	HAZ	ENSCO	INCIN	7-Sep-00	NA	508	508	508	0	0	630	AR1123024	DART	
1	WASTE FLAM LIQUID	HAZ	CLEAN HARBORS	INCIN	8-Sep-00	3444	25,851	25,851	25,851	0	0	632	MDC0902171	FRANKS VACUUM	
2	WASTE SOLID	HAZ	CALGON CARBON	INCIN	11-Sep-00	NA	11,200	11,200	2800	0	8400	633	PA9199820	HAZMAT	
1	WASTE FLAM LIQUID	HAZ	CLEAN HARBORS	INCIN	15-Sep-00	NA	22,760	22,760	22760	0	0	634	MCD0901519	CLEAN HARBORS	
1	WASTE FLAM LIQUID	HAZ	CLEAN HARBORS	TREATED	15-Sep-00	3102	25,871	25,871	0	25871	0	635	MDC0727114	FRANKS VACUUM	
1	WST MET/TOL LIQUID	HAZ	CLEAN HARBORS	INCIN	22-Sep-00	4700	35,278	35,278	35,278	0	0	636	MDC0727115	FRANKS VACUUM	
1	DIMETHYL FOR/LIQUID	HAZ	ROSS	INCIN	27-Sep-00	2552	17,027	17,027	17,027	0	0	637	NYB558541	ROSS	

190.5 169.4 12.9 8.2

	TONS / \$
TONS GENERATED	190.5
TONS NOT SUBJECT TO ASSESSMENT	8.2
TONS SUBJECT TO ASSESSMENT	182.3
\$ FOR INCINERATION	\$1,524.16
\$ FOR TREATMENT	\$206.97
TOTAL ASSESSMENT	\$1,731.13

Note - The highlighted rows were loads that did not have specific gravity listed. The specific gravity on these loads was 0.9, not 1.0.
Note - for the recycle waste streams the total weight is in the disposal weight column, 25% is in the incineration column, and 75% in the recycle column for tax calculation purposes.

182.3

WASTE TAX - 4TH QUARTER 2000.

Revised: 1/12/01

#	DESCRIPTION	HAZ	CODE	DISP. SITE	PROFILE	METHOD	DATE	GALLONS	#'S	HAZ WT	INCIN	WWT	RECYCLE	MAN #	MAN ID	HAULER
4	USED ACETONE	HAZ	D001, F002, F003, D021	ENSCO	658586	INCIN	2-Oct-00	NA	1,423	1,423	1423	0	0	638	AR1161008	DART
2	WASTE TOLUENE	HAZ	D001, F005	ENSCO	749870	INCIN	2-Oct-00	NA	858	858	858	0	0	638	AR1161008	DART
2	SPEDI W/OIL / MCB	HAZ	F002, D021	ENSCO	1309238	INCIN	2-Oct-00	NA	534	534	534	0	0	638	AR1161008	DART
4	WASTE FILTERS	HAZ	D003, D021, F002, F003, F005	ENSCO	1309243	INCIN	2-Oct-00	NA	2,351	2,351	2351	0	0	638	AR1161008	DART
3	LAB SOLID WASTE	HAZ	F002, F003, F005, D021, D022	ENSCO	658564	INCIN	2-Oct-00	NA	742	742	742	0	0	638	AR1161008	DART
2	LAB NON REACTIVE	HAZ	D001, F002, F003, F005, D021, D022	ENSCO	658565	INCIN	2-Oct-00	NA	1,023	1,023	1023	0	0	638	AR1161008	DART
1	VENTSORB CARBON	HAZ	F002, D021	ENSCO	1309247	INCIN	2-Oct-00	NA	277	277	277	0	0	638	AR1161008	DART
1	METHONOL/TOLUENE	HAZ	F003, F005, D001	CLEAN HARBORS	CH187152B	INCIN	4-Oct-00	2227	16,716	16,716	16,716	0	0	641	MDC0727117	FRANKS VACUUM
1	METHONOL/TOLUENE	HAZ	F003, F005, D001	CLEAN HARBORS	CH187152B	INCIN	9-Oct-00	5100	38,281	38,281	38,281	0	0	642	MDC0727116	FRANKS VACUUM
2	WASTE SOLID	HAZ	F005, F002, F0003	CALGON CARBON	CAN2543R	RECYCLE	10-Oct-00	NA	11,200	11,200	0	0	11,200	643	PA9199794	CALGON CARBON
1	METHANOL/TOLUENE	HAZ	F003, F005, D001	CLEAN HARBORS	CH187152B	INCIN	16-Oct-00	2000	15,012	15,012	15,012	0	0	644	MDC0727118	FRANKS VACUUM
1	METHANOL/TOLUENE	HAZ	F003, F005, D001	CLEAN HARBORS	CHI187152B	INCIN	19-Oct-00	4069	30,542	30,542	30,542	0	0	645	MCD0727119	FRANKS VACUUM
1	METHANOL/TOLUENE	HAZ	F003, F005, D001	CLEAN HARBORS	CHI187152B	INCIN	23-Oct-00	4355	32,689	32,689	32,689	0	0	646	MDC0727120	FRANKS VACUUM
1	PCF/PROPARYL ALCH	HAZ	D001, D002, D003	ENSCO	WMDS1328263	INCIN	27-Oct-00	NA	400	400	400	0	0	647	AR1160973	DART TRUCKING
5	HCL	HAZ	D002	ENSCO	WMDS1328156	INCIN	27-Oct-00	NA	1,835	1,835	1,835	0	0	647	AR1160973	DART TRUCKING
1	ACETONE/HCL	HAZ	D001, D002, F003	ENSCO	WMDS1328242	INCIN	27-Oct-00	NA	400	400	400	0	0	647	AR1160973	DART TRUCKING
3	MCB/PNBC	HAZ	F002, D021, D001	ENSCO	WMDS1309241	INCIN	27-Oct-00	NA	1,575	1,575	1,575	0	0	647	AR1160973	DART TRUCKING
2	HAZ WASTE SOLID	HAZ	FOO5, F002, F003	CALGON CARBON	CAN2543R	RECYCLE	15-Nov-00	NA	11,500	11,500	0	0	11,500	651	PA9199805	HAZMAT
1	WST FLAM LIQUIDS	HAZ	F003	CLEAN HARBORS	CHI77235B	INCIN	27-Nov-00	3959	29,716	29,716	29,716			652	MCD0899639	CLEAN HARBORS
1	WST FLAM LIQUIDS	HAZ	F003, F005, D001, D021	CLEAN HARBORS	CH177236B	INCIN	29-Nov-00	3785	28,410	28,410	28,410			653	MDC0899638	CLEAN HARBORS
6	USED ACETONE	HAZ	D001, F002, F003, D021	ENSCO	658586	INCIN	8-Dec-00		1,882	1,882	1,882	0	0	654	AR1160974	DART
9	WASTE TOLUENE	HAZ	D001, F005	ENSCO	749870	INCIN	8-Dec-00		3,378	3,378	3,378	0	0	654	AR1160974	DART
3	WASTE FILTERS	HAZ	D003, D021, F002, F003, F005	ENSCO	1309243	INCIN	8-Dec-00		1,486	1,486	1,486	0	0	654	AR1160974	DART
5	LAB SOLID WASTE	HAZ	F002, F003, F005, D021, D022	ENSCO	658564	INCIN	8-Dec-00		1,706	1,706	1,706	0	0	654	AR1160974	DART

#	DESCRIPTION	HAZ	CODE	DISP. SITE	PROFILE	METHOD	DATE	GALLONS	#'S	HAZ WT	INCIN	WWT	RECYCLE	MAN #	MAN ID	HAULER
3	VENTSORB CARBON WST	HAZ	F002, D021	ENSCO	1309247	INCIN	8-Dec-00		917	917	917	0	0	654	AR1160974	DART
3	SPEDI DRY W/MCB	HAZ	F002, D021	ENSCO	1309238	INCIN	8-Dec-00		1,055	1,055	1,055	0	0	654	AR1160974	DART
12	PT-16 TANK SLUDGE	HAZ	F002, F005, D021	ENSCO	1309265	INCIN	8-Dec-00		7,758	7,758	7,758	0	0	654	AR1160974	DART
4	EFFLUENT SLUDGE	HAZ	F002, F005, D021	ENSCO	1309265	INCIN	8-Dec-00		2,300	2,300	2,300	0	0	654	AR1160974	DART
1	LAB NON REC LIQUIDS	HAZ	D001, F002, F003, F005, D021, D022	ENSCO	658565	INCIN	22-Dec-00		398	398	398	0	0	657	AR1160795	DART
2	LAB SOLID WASTE	HAZ	F002, F003, F005, D021, D022	ENSCO	658564	INCIN	22-Dec-00		458	458	458	0	0	657	AR1160795	DART
2	VENTSORB CAR WST	HAZ	F002, D021	ENSCO	1309247	INCIN	22-Dec-00		536	536	536	0	0	657	AR1160795	DART
1	WASTE FILTERS	HAZ	D003, D021, F002, F003, F005	ENSCO	1309243	INCIN	22-Dec-00		162	162	162	0	0	657	AR1160795	DART
3	WASTE SOLID	HAZ	F002	ENSCO		INCIN	22-Dec-00		7,500	7,500	7,500	0	0	660	PAX9549853	DART
1	WASTE SOLID	HAZ	F002, F005	ENSCO		INCIN	22-Dec-00		4,000	4,000	4,000	0	0	660	PAX9549853	DART
										129.51	118.16	0.00	11.35			
		TONS / \$														
	TONS GENERATED	129.5														
	TONS NOT SUBJECT TO ASSESSMENT	8.5														
	TONS SUBJECT TO ASSESSMENT	121.0														
	\$ FOR INCINERATION	\$1,088.98														
	\$ FOR TREATMENT	\$0.00														
	TOTAL ASSESSMENT	\$1,088.98														

Annual Waste Report - 2000

Wastewater treatment

TOTAL WASTEWATER IN TONS 44,525

TOTAL WASTEWATER IN METRIC TONS 40,404

Phosgene Department - Acidic wastewater

Water usage from Billing Statements 4" meter to scrubber

22-Dec-99 86,890,900
 20-Dec-00 96,918,000
 10,027,100 gallons
 83,626,014 pounds
 41,813 tons
 37,943 metric tons

D-area - Scrubber tub Caustic wastewater

	PT-1,2,3,4	PT-5,6
Jan-00	22,950	650,250
Feb-00	0	1,032,750
Mar-00	0	573,750
Apr-00	0	803,250
May-00	0	918,000
Jun-00	0	688,500
Jul-00	7,650	650,250
Aug-00	0	38,250
Sep-00	na	0
Oct-00	na	0
Nov-00	na	7,000
Dec-00	na	31,010
Total	30,600	5,393,010

Total tons 2,712

Total metric tons 2,461

886,125 avg #'s per month 2% NaOH
 8.86 Tons dry wt NaOH lost / month
 355 \$\$ lost per month
 \$37,748.93 \$\$ lost per year

WASTE MATERIALS

4th Quarter 2001 - Revised: 02/08/02

Table 1 - Derivatives	Q1	Q2	Q3	Q4	YTD	2002 BUDGET	%	2001
Pounds of waste generated	1,738,781				1,738,781	NA	NA	1,095,871
Pounds of product produced	922,122				922,122	NA	NA	9,180,267
Pounds of waste / Pounds of product	1.886				1.886	NA	NA	0.438

Waste disposal cost	\$93,989				\$93,989	BIGOS	#VALUE!	BIGOS
Waste disposal cost / Pounds of product	\$ 0.102				\$ 0.102	NA	NA	\$0.179

Net sales	\$1,673,145				\$1,673,145	bigos	#VALUE!	BIGOS
Waste disposal cost / Net sales	5.62%				5.62%		NA	#VALUE!

Waste products	Pounds WASTE 2002	#S WASTE / # PRODUCT 2002	\$'S WASTE / # PRODUCT 2002		Pounds Full Year 2001	%
Amide Chloride	10,161	0.051	0.014462977		61,420	17%
Avanel	64,310	NA			53,990	119%
BCF	710	0.010			126,688	1%
Butryl chloride	956	NA			103,479	1%
HEGCL	14,274	NA			416,533	3%
Lab	1,283	NA			19,415	7%
Phenyl chloroformate	13,792	0.203			198,395	7%
Plant	135,787	0.147			322,249	42%
PNBC	4,895	0.044			36,646	13%
PTSI	19,217	0.052			53,784	36%
FC102	917,553	54.425			382,468	240%
TMTC	11,150	0.130			-	-
PHOSGENE	1,526	0.001070677			-	-
Sub-total	265,385				1,392,599	19%
Miscellaneous including Phc	0				10,310	NA
Total	265,385				1,402,909	19%

Comments:

Table 1 – Most waste is generated from the derivatives plant. Phosgene production generates little waste per pound. As such, phosgene production & waste is not included in Table 1.

- **Pounds of waste generated:** Total pounds of hazardous and non-hazardous waste generated excluding garbage & scrap.
- **Pounds of product produced:** Total pounds of product manufactured.
- **Pounds of waste / Pounds of product:** Pounds of waste disposed divided by the pounds of derivatives produced.
- **Waste disposal cost:** This does not include the cost for disposal of garbage (Browning Ferris).
- **Waste disposal cost / Pounds of product:** amount of disposal costs divided by the pounds of product produced.

WASTE MATERIALS

4th Quarter 2001 - Revised: 02/08/02

Table 1 - Derivatives only	Q1	Q2	Q3	Q4	YTD	2002 BUDGET	%	2001
Pounds of waste generated	1,308,069				1,308,069	NA	NA	
Pounds of product produced	922,122				922,122	NA	NA	
Pounds of waste / Pounds of product	1.419				1.419	NA	NA	
Waste disposal cost					\$0	BIGOS	#VALUE!	BIGOS
Waste disposal cost / Pounds of product	\$ -				\$ -	NA	NA	
Net sales					\$0	bigos	#VALUE!	BIGOS
Waste disposal cost / Net sales	#DIV/0!				#DIV/0!		NA	#VALUE!

Waste products	Pounds WASTE 2002	#'S WASTE / # PRODUCT 2002	\$'S WASTE / # PRODUCT 2002		Pounds Full Year 2001	%
Amide Chloride		0.000	0.014462977			#DIV/0!
Avanel	#REF!	NA				#REF!
BCF	#REF!	#REF!				#REF!
Butryl chloride	#REF!	NA				#REF!
HEGCL	#REF!	NA				#REF!
Lab	#REF!	NA				#REF!
Phenyl chloroformate	#REF!	#REF!				#REF!
Plant	#REF!	#REF!				#REF!
PNBC	#REF!	#REF!				#REF!
PTSI	#REF!	#REF!				#REF!
FC102	#REF!	#REF!				#REF!
TMTC	#REF!	#REF!			-	-
PHOSGENE	-	0			-	-
Sub-total	#REF!				-	#REF!
Miscellaneous including Phosgene	0					NA
Total	#REF!				0	#REF!

2001 HAZARDOUS WASTE REPORT WORKSHEET
Rev 2-Jan-02

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	WASTE CAUSTIC LIQUID	HAZ	D002	Plant	CLEAN HAR		TREATED	24-Jan-01	0	512	512	0	0	512	661	CTF0964019	C HARBORS	
1	COMBUSTABLE LIQUID	NON			ADVANCED ENV		INCIN		0	26	0	26	0	0	662	SCR000075150	SAFETY KLEEN	
1	WASTE DMF	HAZ	D001	Amide Chloride	CLEAN HAR		INCIN	2-Feb-01	0	150	150	150	0	0	663	MAM692146	C HARBORS	
7	COMBUSTABLE LIQUID	NON		Pilot Lab	CLEAN HAR	CH122193		2-Feb-01	0	3,323	0				664	MAD053452637	C HARBORS	
10	TOXIC LIQUID PNBC	NON		PNBC	CLEAN HAR	CH147741		2-Feb-01	0	4,030	0				664	MAD053452637	C HARBORS	
41	NON REGULATED MAT	NON		Amide Chloride	CLEAN HAR	CH183010		2-Feb-01	0	18,888	0				664	MAD053452637	C HARBORS	
4	NON REGULATED MAT	NON		PTSI	CLEAN HAR	CH124261		2-Feb-01	0	2,221	0				664	MAD053452637	C HARBORS	
1	WASTE FLAM LIQUIDS	HAZ	F002, F003, D001, D021, D022	Lab	CLEAN HAR	CH124269	INCIN	2-Feb-01	0	447	447	447	0	0	665	IL8621467	C HARBORS	
2	WASTE FLAM LIQUIDS	HAZ	D001, D021	PNBC	CLEAN HAR	CH124412	INCIN	2-Feb-01	0	977	977	977	0	0	665	IL8621467	C HARBORS	
1	WASTE FLAM LIQUIDS	HAZ	D001, D021, F002	PTSI	CLEAN HAR	CH131275	INCIN	2-Feb-01	0	475	475	475	0	0	665	IL8621467	C HARBORS	
2	HAZ WASTE SOLID	HAZ	F002, F003, F005, D021, D022	Lab	CLEAN HAR	CH124262	INCIN	2-Feb-01	0	258	258	258	0	0	665	IL8621467	C HARBORS	
11	WASTE SOLID CORR	HAZ	D003	Amide Chloride	CLEAN HAR	CH183160	INCIN	23-Feb-01	0	2,750	2,750	2,750	0	0	666	CTF0929756	C HARBORS	
1	WASTE LIQUID FLAM	HAZ	D001, D021, F002	PTSI	CLEAN HAR	CH131275	INCIN	23-Feb-01	0	400	400	400	0	0	666	CTF0929756	C HARBORS	
3	WASTE LIQUID POH	HAZ	D001	PNBC	CLEAN HAR	CH183013	INCIN	23-Feb-01	0	901	901	901	0	0	667	MDC0891562	C HARBORS	
7	WASTE LIQUID PNBC ACETONE	HAZ	F003, D001	PNBC	CLEAN HAR	CH183011	INCIN	23-Feb-01	0	2,412	2,412	2,412	0	0	667	MDC0891562	C HARBORS	
7	COMB LIQUID DIOXANE	HAZ	D003	Pilot Lab	CLEAN HAR	CH122193	INCIN	23-Feb-01	385				0	0	667	MDC0891562	C HARBORS	
1	WASTE MCB SOLID	HAZ	F002, D021	PTSI	CLEAN HAR	CH131345	INCIN	23-Feb-01	0	450	450	450	0	0	668	NYG2632563	C HARBORS	
1	WASTE SOLID PHENOL	HAZ	U188	PHCF	CLEAN HAR	CH183012	INCIN	23-Feb-01	0	450	450	450	0	0	668	NYG2632563	C HARBORS	
1	WASTE SOLID PTSI ACETONE	HAZ	F002, F003, F005, D003, D021	PTSI	CLEAN HAR	CH183171	INCIN	23-Feb-01	0	350	350	350	0	0	668	NYG2632563	C HARBORS	
23	TOXIC LIQUID PhCF	HAZ		PHCF	CLEAN HAR	CH183164	INCIN	23-Feb-01	0	10,100	10,100	10,100	0	0	669	NYG2632554	C HARBORS	
	WASTE LIQUID PhCF																	
1	ACETONE	HAZ	F003, D001	PHCF	CLEAN HAR	CH183161	INCIN	23-Feb-01	0	350	350	350	0	0	669	NYG2632555	C HARBORS	
2	WASTE FLAM LIQUIDS	HAZ	D001, D002	Pilot Lab	CLEAN HAR	CH147710	INCIN	23-Feb-01	0	800	800	800	0	0	669	NYG2632556	C HARBORS	
4	WASTE SOLID ACE/MET	HAZ	F002, F003, F005, D021, D022	Lab	CLEAN HAR	CH124262	INCIN	23-Feb-01	0	1,600	1,600	1,600	0	0	669	NYG2632557	C HARBORS	
2	PTSI RESIDUE	NON		PTSI	CLEAN HAR	CH124261	INCIN	23-Feb-01	0	1,000	1,000	1,000	0	0	670	NYD175773779	C HARBORS	
1	NON REGULATED MAT	NON		Plant	CLEAN HAR	CH183162		23-Feb-01	0	250	250				670	NYD175773779	C HARBORS	
17	NON REGULATED MAT	NON		Amide Chloride	CLEAN HAR	CH183010		23-Feb-01	0	7,650	7,650				671	NYD175773779	C HARBORS	
1	NON HAZ SOLIDS	NON		Pilot lab	CLEAN HAR	CH183165	INCIN	23-Feb-01	0	300	300	300	0	0	671	NYD175773779	C HARBORS	
1	NON REG BRINE	NON		Plant	CLEAN HAR	WTSBB8104	TREATED	27-Feb-01	3471			0		0	672	NYD080336241	C HARBORS	
1	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	14-Mar-01	5670	42,525	0	42,525	0	0	673	MDC0727121	C HARBORS	
1	WASTE LIQUID BCF, MCL	HAZ	F002, F003, F005, D001, D021, D022	BCF	CLEAN HAR	CH124269	INCIN	4-Apr-01	0	325	325	325	0	0	674	MDC0901969	C HARBORS	
1	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	6-Apr-01	0	36,836	36,836	36,836	0	0	675	MDC0903706	C HARBORS	
1	WASTE TOLUENE	HAZ	F005, D001, D002	HEGCL	CLEAN HAR	CH183169B	INCIN	11-Apr-01	0	33,740	33,740	33,740	0	0	676	MDC0727122	C HARBORS	
1	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	25-Apr-01	4361	31,533	31,533	31,533	0	0	677	MDC0727123	FRANKS VAC	
1	WASTE SOLIDS	HAZ	F002, F005	Plant	CALGON CARB	CAN2543R	RECYCL	27-Apr-01	0	4,000	4,000	0	0	4000	678	PAX9549831	CALGON CARB	
3	WASTE SOLIDS	HAZ	F002	HEGCL	CALGON CARB	CAN2542R	RECYCL	27-Apr-01	0	7,500	7,500	0	0	7500	678	PAX9549831	CALGON CARB	
1	WASTE COMB LIQUID	NON		Parts Wash.	SAFETY KLEEN	RW9920	INCIN	27-Apr-01	0	171	171		0	171	679	92564	SAFETY KLEEN	
1	WASTE FUEL OIL, MCB	HAZ	D001, F002, D021	PTSI	CLEAN HAR	CH131275	INCIN	4-May-01	0	475	475	475	0	0	680	MDC0800675	C HARBORS	
2	WASTE FUEL OIL, MCB	HAZ	D001, F002, D021	PTSI	CLEAN HAR	CH131275	INCIN	4-May-01	0	493	493	493	0	0	681	MDC0893659	C HARBORS	
2	WASTE CHLORBENZE	HAZ	D001, D021	PTSI	CLEAN HAR	CH166168	INCIN	4-May-01	0	932	932	932	0	0	681	MDC0893659	C HARBORS	
11	WASTE ACETONE	HAZ	F002, F003, F005, D001	Plant	CLEAN HAR	CH183167	INCIN	4-May-01	0	3,661	3,661	3,661	0	0	681	MDC0893659	C HARBORS	
1	WASTE LIQUID	HAZ	F002, F003, F005, D001	Plant	CLEAN HAR	CH183167	INCIN	4-May-01	0	822	822	822	0	0	682	MDC0893660	C HARBORS	
1	WASTE FLAMABLE LIQ	HAZ	F002, F005, D021	Plant	CLEAN HAR	CH183179	INCIN	4-May-01	0	419	419	419	0	0	682	MDC0893660	C HARBORS	

L = LANDFILL
B = INCINERATION
T = TREATED
R = RECYCLE
S = STORAGE

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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	WASTE FLAMABLE LIQ	HAZ	D001, D001	Lab	CLEAN HAR	CH183173	INCIN	4-May-01	0	1,135	1,135	1,135	0	0	682	MDC0893660	C HARBORS	
2	WASTE ACETONE	HAZ	D001,	PHCF	CLEAN HAR	CH183161	INCIN	4-May-01	0	463	463	463	0	0	683	MDC0893658	C HARBORS	
5	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169	INCIN	4-May-01	0	1,929	1,929	1,929	0	0	683	MDC0893658	C HARBORS	
2	WASTE FLAMABLE LIQ	HAZ	D001, D021	PNBC	CLEAN HAR	CH124412	INCIN	4-May-01	0	935	935	935	0	0	683	MDC0893658	C HARBORS	
5	WASTE SOLID	HAZ	F002, F003, F005, D021	Plant	CLEAN HAR	CH183171	INCIN	4-May-01	0	2,155	2,155	2,155	0	0	684	CTF0950717	C HARBORS	
3	WASTE	HAZ		Plant	CLEAN HAR	CH124264	INCIN	4-May-01	0	721	721	721	0	0	684	CTF0950717	C HARBORS	
2	WASTE LIQUID	NON		PNBC	CLEAN HAR	CH183168	INCIN	4-May-01	0	498	498	498	0	0	685	D2321708	C HARBORS	
1	WASTE LIQUID	NON		PNBC	CLEAN HAR	CH147741	INCIN	4-May-01	0	144	144	144	0	0	685	D2321708	C HARBORS	
9	WASTE NON REG	NON		PTSI	CLEAN HAR	CH124261	INCIN	4-May-01	0	5,094	5,094	5,094	0	0	686	D2321708	C HARBORS	
8	WASTE SOLIDS	NON		PHCF	CLEAN HAR	CH183164	INCIN	4-May-01	0	3,321	3,321	3,321	0	0	686	D2321708	C HARBORS	
5	WASTE SOLIDS	NON		Pilot Lab	CLEAN HAR	CH183165	INCIN	4-May-01	0	1,722	1,722	1,722	0	0	687	D2321708	C HARBORS	
1	WASTE SOLID MCB	HAZ	F002, F005, D021	PTSI	CLEAN HAR	CH131345	INCIN	4-May-01	0	180	180	180	0	0	688	NYG2633418	C HARBORS	
1	WASTE SOLID PHENOL	HAZ	U188	PHCF	CLEAN HAR	CH183012	INCIN	4-May-01	0	35	35	35	0	0	688	NYG2633418	C HARBORS	
1	WASTE FLAMABLE LIQ	HAZ	D001, F005	PHCF	CLEAN HAR	CH183161	INCIN	4-May-01	0	294	294	294	0	0	688	NYG2633418	C HARBORS	
3	WASTE MCB/DEA	HAZ	D001, D021	HEGCL	CLEAN HAR	CH147725	INCIN	4-May-01	0	854	854	854	0	0	689	NYG2633409	C HARBORS	
1	WASTE TETR/HCL	HAZ	D001, D002	Pilot Lab	CLEAN HAR	CH147710	INCIN	4-May-01	0	356	356	356	0	0	689	NYG2633418	C HARBORS	
9	WASTE N-BUT	HAZ	D001, D002	PNBC	CLEAN HAR	CH156167	INCIN	4-May-01	0	3,740	3,740	3,740	0	0	689	NYG2633418	C HARBORS	
4	WASTE ACE/METH	HAZ	F002, F003, D021, D022	Lab	CLEAN HAR	CH124262	INCIN	4-May-01	0	806	806	806	0	0	689	NYG2633418	C HARBORS	
1	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	11-May-01	0	2,075	15,004	15,004	0	0	690	MDC0727125	C HARBORS	
2	WASTE SOLID	HAZ	F002	HEGCL	CALGON CARB	CAN2542R	RECYCL	14-May-01	0	5,000	5,000	0	0	5000	691	NYB5565141	HAZMAT	
2	WASTE SOLID	HAZ	F005	Plant	CALGON CARB	CAN2543R	RECYCL	14-May-01	0	8,000	8,000	0	0	8000	691	NYB5565141	HAZMAT	
1	WASTE SOLID PCF	HAZ		PNBC	CLEAN HAR	CH183164	INCIN	16-May-01	0	354	354	354	0	0	692	NYG2633653	C HARBORS	
88	WASTE AVANEL	NON	NA	AVANEL	ENSCO	1309281	INCIN	21-May-01		34,900	34,900	34,900	0	0	693	NA	HAZMAT	
26	WASTE AVANEL	NON	NA	AVANEL	ENSCO	1309281	INCIN	21-May-01		9,315	9,315	9,315	0	0	694	NA	HAZMAT	
1	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	30-May-01	5000	36,154	36,154	36,154	0	0	695	MDC0727128	FRANKS VAC	
1	WASTE LOW ORGANIC	NON	NONE	BUCL	DUPONT	WTS17459	TREATED	12-Jun-01	4500	37,485	37,485	0	37485	0	696	WTS001113	FRANKS VAC	
1	WASTE LOW ORGANIC	NON	NONE	BUCL	DUPONT	WTS17459	TREATED	12-Jun-01	2500	20,825	20,825	0	20825	0	697	WTS001113	FRANKS VAC	
1	WASTE SOLID DIMETH	HAZ	D003	Amide Chloride	CLEAN HAR	CH183160	INCIN	15-Jun-01	0	223	223	223	0	0	698	CTF0998731	C HARBORS	
2	WASTE SOLID PTSI	HAZ	F002, F003, F005, D021	PTSI	CLEAN HAR	CH183171	INCIN	15-Jun-01	0	517	517	517	0	0	698	CTF0998731	C HARBORS	
8	WASTE CHLOROBTUA	HAZ	D001	BUCL	CLEAN HAR	CH156186	INCIN	15-Jun-01	0	2,104	2,104	2,104	0	0	699	NYG2634642	C HARBORS	
6	WASTE FLAMABLE LIQ	HAZ	F003, D001	PHCF	CLEAN HAR	CH183161	INCIN	15-Jun-01	0	2,107	2,107	2,107	0	0	699	NYG2634642	C HARBORS	
3	WASTE FLAMABLE LIQ	HAZ	D001, D002	PNBC	CLEAN HAR	CH156167	INCIN	15-Jun-01	0	1,371	1,371	1,371	0	0	699	NYG2634642	C HARBORS	
6	WASTE SOLID ACE/MET	HAZ	F002, F003, F005, D021, D002	Lab	CLEAN HAR	CH124262	INCIN	15-Jun-01	0	1,861	1,861	1,861	0	0	699	NYG2634642	C HARBORS	
7	PTSI RESIDUE	NON		PTSI	CLEAN HAR	CH124261	INCIN	15-Jun-01	0	4,108	4,108	4,108			700	OHD009865825	DART	
1	Speedy Dry/Calcium Chl.	NON		Plant	CLEAN HAR	CH183162	INCIN	15-Jun-01		321	321	321			700	OHD009865825	DART	
5	TOXIC LIQUID ORGANIC	NON		PNBC	CLEAN HAR	CH147741		15-Jun-01	0	2,026	2,026	2,026			701	ILVA10083	C HARBORS	
1	NON REGULATED MAT	NON		Plant	CLEAN HAR	CH124302		15-Jun-01	0	610	610	610			701	ILVA10083	C HARBORS	
2	NON REGULATED MAT	NON		Plant	CLEAN HAR	CH124268		15-Jun-01	0	806	806	806			702	WCVA10081	C HARBORS	
5	WASTE ACETONE	HAZ	F003, D001	PNBC	CLEAN HAR	CH147750	INCIN	15-Jun-01	0	1,789	1,789	1,789	0	0	703	MAQ031369	C HARBORS	
14	WASTE BUTYRIC POH	HAZ	D001, D002	BUCL	CLEAN HAR	CH156189	INCIN	15-Jun-01	0	5,895	5,895	5,895	0	0	704	MDC0897594	C HARBORS	
5	WASTE SOLID CORR	HAZ	NONE	BUCL	CLEAN HAR	CH156190		15-Jun-01	0	627	627	627			704	MDC0897594	C HARBORS	
1	WASTE TOLUENE/CB	HAZ	F005, D001, D021	HEGCL	CLEAN HAR	CH156194	INCIN	15-Jun-01	0	442	442	442	0	0	705	MDC0897595	C HARBORS	
2	WASTE POH	HAZ	D001	PNBC	CLEAN HAR	CH183013	INCIN	15-Jun-01	0	804	804	804	0	0	705	MDC0897595	C HARBORS	
2	WASTE ACETONE	HAZ	F002, F003, F005, D001	Plant	CLEAN HAR	CH183167	INCIN	15-Jun-01	0	698	698	698	0	0	705	MDC0897595	C HARBORS	
1	WASTE PROPANOL/ME	HAZ	F002, D001	Lab	CLEAN HAR	CH183173	INCIN	15-Jun-01	0	610	610	610	0	0	705	MDC0897595	C HARBORS	
1	WASTE CHLOROBEN	HAZ	D001, D021	PTSI	CLEAN HAR	CH156187	INCIN	15-Jun-01	0	469	469	469	0	0	706	MDC0897596	C HARBORS	
1	WASTE BENZYL /METH	HAZ	F002, F003, F005, D001, D021, D022	BCF	CLEAN HAR	CH124269	INCIN	15-Jun-01	0	464	464	464	0	0	706	MDC0897596	C HARBORS	
1	WASTE MCB	HAZ	D001, D021	PTSI	CLEAN HAR	CH124412	INCIN	15-Jun-01	0	425	425	425	0	0	706	MDC0897596	C HARBORS	
1	WASTE DIMETHY/BUT	HAZ	D001	BUCL	CLEAN HAR	WTS1294	INCIN	21-Jun-01	0	30,380	30,380	30,380	0	0	707	NYG2975643	C HARBORS	
1	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	22-Jun-01	5000	36,154	36,154	36,154			708	MDC0727129	C HARBORS	
2	HAZ WASTE SOLID	HAZ	F002	Plant	CALGON CARB	CAN 2542r	TREATED	16-Jul-01	0	5,000	5,000	0	0	0	709	PA9549820	HAZMAT	
1	WASTE FLAM LIQUIDS	HAZ	F005, D001		CLEAN HAR	CH1837898	INCIN	26-Jul-01	3100				0	0	710	MDC0891966	C HARBORS	
1	WASTE LIQ POH	HAZ	D001	PNBC	CLEAN HAR	CH183013	INCIN	27-Jul-01	0	314	314	314	0	0	711	MDC0891977	C HARBORS	
9	WASTE LIQ ACETONE	HAZ	F002, F003, F005, D001	Plant	CLEAN HAR	CH183167	INCIN	27-Jul-01	0	3,192	3,192	3,192	0	0	711	MDC0891977	C HARBORS	
2	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169	INCIN	27-Jul-01	0	751	751	751	0	0	711	MDC0891977	C HARBORS	

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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
10	WASTE FLAM LIQUIDS	HAZ	D001, D021		CLEAN HAR	CH154633	INCIN	27-Jul-01	0	463	463	463	0	0	711	MDC0891977	C HARBORS	
2	WASTE CHLOROBEN	HAZ	D001, D021		CLEAN HAR	CH154636	INCIN	27-Jul-01	0	1,018	1,018	1,018	0	0	712	MDC0891975	C HARBORS	
8	WASTE LIQ BZOH	HAZ	D001	BCF	CLEAN HAR	CH154629	INCIN	27-Jul-01	0	3,257	3,257	3,257	0	0	712	MDC0891975	C HARBORS	
1	WASTE SOLID	HAZ	F005		CLEAN HAR	CH154630	INCIN	27-Jul-01	0	327	327	327	0	0	712	MDC0891975	C HARBORS	
1	WASTE WATER REACTIVE	HAZ	D003, D021	PTSI	CLEAN HAR	CH156193	INCIN	27-Jul-01	0	210	210	210	0	0	712	MDC0891975	C HARBORS	
1	WASTE CORROSIVE SOL	NON			CLEAN HAR	CH154631	STORAGE	27-Jul-01	0	64	0				713	SGVA1008	C HARBORS	
5	WASTE CORROSIVE SOL	NON			CLEAN HAR	CH154627	STORAGE	27-Jul-01	0	3,111	0				713	SGVA1008	C HARBORS	
1	NON REGULATED MAT	NON			CLEAN HAR	CH154634	STORAGE	27-Jul-01	0	469	0				713	SGVA1008	C HARBORS	
3	NON REGULATED MAT	NON			CLEAN HAR	CH124261	STORAGE	27-Jul-01	0	1,799	0				714	BRVA1008	C HARBORS	
1	NON REGULATED MAT	NON			CLEAN HAR	CH183162	STORAGE	27-Jul-01	0	226	0				714	BRVA1008	C HARBORS	
4	WASTE SOLID	HAZ	NONE		CLEAN HAR	CH183165	INCIN	27-Jul-01	0	1,352	1,352	1,352	0	0	715	MDC0891976	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	F002, F003, F005, D001, D021, D022	Lab	CLEAN HAR	CH124269	INCIN	27-Jul-01	0	459	459	459	0	0	715	MDC0891976	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	F002, D001, D021		CLEAN HAR	CH124???	INCIN	27-Jul-01	0	408	408	408	0	0	715	MDC0891976	C HARBORS	
22	WASTE DMF	HAZ	D001	ACL	CLEAN HAR	CH131343	INCIN	27-Jul-01	0	9,274	9,274	9,274	0	0	716	MAM890923	C HARBORS	
5	WASTE SOLID	HAZ	F002, F003, F005, D021, D022	Lab	CLEAN HAR	CH124262	INCIN	27-Jul-01	0	851	851	851	0	0	716	MAM890923	C HARBORS	
4	WASTE PTSI ACETONE	HAZ	F002, F003, F005, D021	PTSI	CLEAN HAR	CH183171	INCIN	27-Jul-01	0	1,034	1,034	1,034	0	0	717	CTF0975457	C HARBORS	
1	NON REGULATED OIL	NON		Plant	CLEAN HAR	CH124268	INCIN	27-Jul-01	0	410	0	0	0	0	717	CTF0975457	C HARBORS	
1	WASTE CAUSTIC LIQ	HAZ	D002, D005	Plant	CLEAN HAR	CH183156	TREATED	27-Jul-01	0	497	497	0	0	0	718	NYG2635272		
1	WASTE LIQUID	HAZ	F002, F005, D021	Plant	CLEAN HAR	CH183179	INCIN	27-Jul-01	0	402	402	402	0	0	718	NYG2635272		
4	WASTE FLAM LIQUID	HAZ	F002, D001, D021	PTSI	CLEAN HAR	CH131275	INCIN	27-Jul-01	0	1,782	1,782	1,782	0	0	719	MDC0860270	C HARBORS	
7	WASTE SOLID	HAZ	F002, F005	Plant	ENVIROTROL	vanchemnyww	RECYCLE	27-Jul-01	0	42,000	42,000	0	0	42000	720	PAG31 1692	BUFFALO FUEL	
1	NON REGULATED MAT	NON			CLEAN HAR	CH124266	INCIN	30-Jul-01	2665				0	0	721	OHD000724153	BUFFALO FUEL	
1	WASTE LIQUID MCB, TOL	HAZ	F002, F005, D021		CLEAN HAR	CH183179B	INCIN		0	20,560	20,560	0	0	0	722	NYG3081015	C HARBORS	
1	WASTE ACE/CHLORIDE	HAZ	U006	Lab	CLEAN HAR	JEN-001	INCIN	9-Aug-01	0	10	10	10	0	0	723	IL9259235	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	D001, D002	Lab	CLEAN HAR	JEN-002	INCIN	9-Aug-01	0	41	41	41	0	0	723	IL9259235	C HARBORS	
1	WASTE OXIDIAING LIQ	HAZ	D001, D002, D008	Lab	CLEAN HAR	JEN-005	TREATED	9-Aug-01	0	6	6	0	0	0	723	IL9259235	C HARBORS	
1	WASTE BCF	HAZ	D003, D002	Lab	CLEAN HAR	JEN-007	INCIN	9-Aug-01	0	35	35	35	0	0	723	IL9259235	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	D002, D001	Lab	CLEAN HAR	JEN-008	INCIN	9-Aug-01	0	16	16	16	0	0	723	IL9259235	C HARBORS	
1	WASTE TOXIC LIQUID	HAZ	F002, D002	Lab	CLEAN HAR	JEN-009	INCIN	9-Aug-01	0	11	11	11	0	0	723	IL9259235	C HARBORS	
2	WASTE ALLYL ALCOHO	HAZ	P005, D001	Lab	CLEAN HAR	JEN-010-015	INCIN	9-Aug-01	0	10	10	10	0	0	723	IL9259235	C HARBORS	
1	WASTE CORROSIVE LIQ	HAZ	D002, D001	Lab	CLEAN HAR	JEN-011	INCIN	9-Aug-01	0	22	22	22	0	0	723	IL9259235	C HARBORS	
1	WASTE PHENOL SOL	HAZ	U188	Lab	CLEAN HAR	JEN-012	INCIN	9-Aug-01	0	14	14	14	0	0	723	IL9259235	C HARBORS	
1	WASTE CORROSIVE SOL	HAZ	D003, D001	Lab	CLEAN HAR	JEN-013	INCIN	9-Aug-01	0	8	8	8	0	0	723	IL9259235	C HARBORS	
1	WASTE SODIUM SULF	HAZ	D003	Lab	CLEAN HAR	JEN-014	INCIN	9-Aug-01	0	12	12	12	0	0	723	IL9259235	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	P022, D001	Lab	CLEAN HAR	JEN-016	INCIN	9-Aug-01	0	6	6	6	0	0	723	IL9259235	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	U079	Lab	CLEAN HAR	jen-017	INCIN	9-Aug-01	0	4	4	4	0	0	723	IL9259235	C HARBORS	
1	WASTE CHLOROFORM	HAZ	D002, D001	Lab	CLEAN HAR	JEN-017	INCIN	9-Aug-01	0	4	4	4	0	0	723	IL9259235	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	D001, D002	Lab	CLEAN HAR	JEN-019	INCIN	9-Aug-01	0	7	7	7	0	0	723	IL9259235	C HARBORS	
4	WASTE METHYL CF	HAZ	U156, D002	Lab	CLEAN HAR	JEN-020-023	INCIN	9-Aug-01	0	28	28	28	0	0	723	IL9259235	C HARBORS	
1	WASTE METHYL CHLO	HAZ	D001	Lab	CLEAN HAR	JEN-024	TREATED	9-Aug-01	0	4	4	0	0	0	723	IL9259235	C HARBORS	
1	POTASSIUM HYDROX	NON		Lab	CLEAN HAR	jen-003		9-Aug-01	0	14	0	14			724	ILD000608471	DART	
1	FLAM SOLID ORGANIC	NON		Lab	CLEAN HAR	jen-004		9-Aug-01	0	12	0	12			724	ILD000608471	DART	
1	CORROSIVE SOLID ACID	NON		Lab	CLEAN HAR	jen-005		9-Aug-01	0	6	0	6			724	ILD000608471	DART	
1	WASTE NON REGULATE	NON		Plant	CLEAN HAR	CH154640	INCIN	15-Aug-01	4464	0	0	4,464	0	0	725	VA1008CL	BUFFALO FUEL	
1	WASTE NON REGULATE	NON			CLEAN HAR	CH154645	INCIN	16-Aug-01	4773	0	0	4,773	0	0	726	D2352893	BUFFALO FUEL	
1	WASTE NON REGULATE	NON			CLEAN HAR	CH154645	INCIN	23-Aug-01	5200		0	5,200	0	0	727	OHD000724153	BUFFALO FUEL	
1	WASTE NON REGULATE	NON			CLEAN HAR	CH145645	INCIN	23-Aug-01	5116	0	0	5,116	0	0	728	D2354425	BUFFALO FUEL	
1	WASTE NON REGULATE	NON			CLEAN HAR	CH145645	INCIN	23-Aug-01	5516	0	0	5,516	0	0	729	D2354425	BUFFALO FUEL	
1	WASTE NON REGULATE	NON			NOCO	nonpcbtrans		24-Aug-01	0	8,000	0				730		NOCO	
5	WASTE SOLID PTSI ACE	HAZ	F002, F003, F005, DO21	PTSI	CLEAN HAR	CH183171	INCIN	31-Aug-01	0	1,665	1,665	1,665	0	0	731	CTF0999168	C HARBORS	
5	WASTE SOLID CLOR TOL	HAZ	F002, F005, D021		CLEAN HAR	CH183279		31-Aug-01	0	2,590	2,590				732	NYG2000592	C HARBORS	
7	WASTE SOLID ACE MET	HAZ	F002, F003, F005, D021, D022		CLEAN HAR	CH124262	INCIN	31-Aug-01	0	1,533	1,533	1,533	0	0	733	IL9351544	C HARBORS	
2	WASTE SOIL	NON		Plant	CLEAN HAR	CH124302	INCIN	31-Aug-01	0	635	0	635	0	0	733	IL9351544	C HARBORS	
6	SOLID CONT LIQUIDS	NON			CLEAN HAR	CH183164		31-Aug-01	0	2,635	0	2,635	0	0	734	VA008831	C HARBORS	
1	WASTE NON REGULATE	NON			CLEAN HAR	CH154640		31-Aug-01	0	386	0	386	0	0	734	VA008831	C HARBORS	
3	WSTE FLAM LIQUID	HAZ	D001, D021		CLEAN HAR	CH124412	INCIN	31-Aug-01	0	1,296	1,296	1,296	0	0	735	MDC0903646	C HARBORS	
1	WSTE FLAM LIQUID	HAZ	F002, D001, D021		CLEAN HAR	CH131275	INCIN	31-Aug-01	0	459	459	459	0	0	735	MDC0903646	C HARBORS	
11	WSTE FLAM LIQUID	HAZ	D001		CLEAN HAR	CH154629	INCIN	31-Aug-01	0	4,747	4,747	4,747	0	0	735	MDC0903646	C HARBORS	

2001 HAZARDOUS WASTE REPORT WORKSHEET

Rev 2-Jan-02

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	WSTE FLAM LIQUID	HAZ	D001, D021		CLEAN HAR	CH156168	INCIN	31-Aug-01	0	503	503	503	0	0	735	MDC0903646	C HARBORS	
1	WSTE FLAM LIQUID ACE	HAZ	F002, F003, F005, D001		CLEAN HAR	CH183167	INCIN	31-Aug-01	0	335	335	335	0	0	736	MDC0903645	C HARBORS	
3	WSTE FLAM LIQUIDMET	HAZ	F003, F005, D001		CLEAN HAR	CH187152	INCIN	31-Aug-01	0	1,141	1,141	1,141	0	0	736	MDC0903645	C HARBORS	
1	WSTE FLAM LIQUID BCF	HAZ	F003, D001, D021, D022, F002, F005	BCF	CLEAN HAR	CH124269		31-Aug-01	0	426	426				736	MDC0903645	C HARBORS	
1	WSTE FLAM LIQUID POH	HAZ	D001	PNBC	CLEAN HAR	chxxxxx1		31-Aug-00	0	25	25				736	MDC0903645	C HARBORS	
4	WASTE NON REGULATE	NON		PTSI	CLEAN HAR	CH124261		31-Aug-01	0	2,204	0				737	VA1008830	C HARBORS	
8	WASTE NON REGULATE	NON		Plant	CLEAN HAR	CH183162		31-Aug-01	0	2,662	0				737	VA1008830	C HARBORS	
23	WASTE NON REGULATE	NON		Amide Chloride	CLEAN HAR	CH183010		31-Aug-01	0	9,775	0				738	VA1008829	C HARBORS	
5	WASTE SOLID	HAZ	F002, F005,		ENVIROTROL	vanchemnyww	RECYCLE	12-Sep-01	0	30,000	30,000	0	0	30000	739	PA9549805	AUTUMN IND	
1	WASTE FLAM LIQUID	HAZ	D001, D002		CLEAN HAR	CH147710	INCIN	20-Sep-01	0	287	287	287	0	0	740	CTF0829916	C HARBORS	
1	WASTE TOLUENE	HAZ	F005, D001		CLEAN HAR	CH183169	INCIN	20-Sep-01	0	234	234	234	0	0	741	MDC0894881	C HARBORS	
21	WASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HAR	CH147734	INCIN	20-Sep-01	0	11,498	11,498	11,498	0	0	741	MDC0894881	C HARBORS	
6	WASTE SOLID ACE MET	HAZ	F002, F003, F005, D021, D022		CLEAN HAR	CH124262	INCIN	20-Sep-01	0	1,793	1,793	1,793	0	0	741	MDC0894881	C HARBORS	
3	WASTE LIQ CHL/TOL	HAZ	F002, F005, D021		CLEAN HAR	CH183179	INCIN	20-Sep-01	0	1,413	1,413	1,413	0	0	741	MDC0894881	C HARBORS	
1	NON REQ MATERIAL	NON			CLEAN HAR	ch124268		20-Sep-01	0	334	0	0	0	0	742			
5	NON REQ MATERIAL	NON			CLEAN HAR	ch124266		20-Sep-01	0	2,946	0	0	0	0	742			
1	NON REQ MATERIAL	NON			CLEAN HAR	CH154645		20-Sep-01	0	450	0				743	MDD980555189	C HARBORS	
6	NON REQ MATERIAL	NON			CLEAN HAR	CH157808		20-Sep-01	0	4,068	0				743	MDD980555189	C HARBORS	
1	NON REQ MATERIAL	NON			CLEAN HAR	CH122213		20-Sep-01	0	272	0				743	MDD980555189	C HARBORS	
	COMBUSTABLE LIQUID	NON			CLEAN HAR	CH122193		20-Sep-01	0		0				744	MDD980555189	C HARBORS	
3	NON REQ MATERIAL	NON			CLEAN HAR	CH124261		20-Sep-01	0	1,644	0				744	MDD980555189	C HARBORS	
2	NON REQ MATERIAL	NON			CLEAN HAR	CH183462		20-Sep-01	0	739	0				744	MDD980555189	C HARBORS	
1	SOLID CONT LIQUIDS	NON			CLEAN HAR	CH1		20-Sep-01	0	60	0				744	MDD980555189	C HARBORS	
6	WASTE DEA	HAZ	D001		CLEAN HAR	CH131343	INCIN	20-Sep-01	0	2,185	2,185	2,185	0	0	745	MDC0894882	C HARBORS	
1	WASTE CHLOROBENZ	HAZ	D001, D021		CLEAN HAR	CH156168	INCIN	20-Sep-01	0	575	575	575	0	0	745	MDC0894882	C HARBORS	
10	WASTE POH	HAZ	D001		CLEAN HAR	CH183013	INCIN	20-Sep-01	0	3,782	3,782	3,782	0	0	745	MDC0894882	C HARBORS	
3	WASTE ACETONE	HAZ	F002, F003, F005, D001		CLEAN HAR	CH183167	INCIN	20-Sep-01	0	1,025	1,025	1,025	0	0	745	MDC0894882	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	F002, F003, F005, D001, D021, D022		CLEAN HAR	CH124269	INCIN	20-Sep-01	0	446	446	446	0	0	746	MDC0894883	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	F002, D001, D021		CLEAN HAR	CH124271	INCIN	20-Sep-01	0	304	304	304	0	0	746	MDC0894883	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	D001, D021		CLEAN HAR	CH124412	INCIN	20-Sep-01	0	475	475	475	0	0	746	MDC0894883	C HARBORS	
2	WASTE FLAM LIQUID	HAZ	F002, D001, D021		CLEAN HAR	CH131275	INCIN	20-Sep-01	0	854	854	854	0	0	746	MDC0894883	C HARBORS	
6	WASTE SOLID TOLUENE	HAZ	F002, F005		CLEAN HAR		RECYCLE	25-Sep-01	0	36,000	36,000	0	0	36000	747	PAX9549794	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HAR	CH183169	INCIN	28-Sep-01	6221						748	MDC0902940	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HAR	CH183169	INCIN	9-Oct-01	4350	31,200	31,200	31,200	0	0	749	MDC0892366	C HARBORS	
1	WASTE N-BUT ISOCY	HAZ	D001, D003		CLEAN HAR	CH157803	INCIN	10-Oct-01	0	38	38	38	0	0	750	NYG2000772	C HARBORS	
1	WASTE DIOXANE	HAZ	U108, D001		CLEAN HAR	CH147739	INCIN	10-Oct-01	0	98	98	98	0	0	750	NYG2000772	C HARBORS	
2	WASTE SOLID	HAZ	F002, F005		ENVIROTROL	vanchemnyww	RECYCLE	12-Oct-01	0	12,000	12,000	0	0	12000	751	PAX9549772	AUTUMN IND	
1	WASTE FLAM LIQUID	HAZ	D001		CLEAN HAR	CH157622	INCIN	17-Oct-01	3975	39,119	39,119	39,119	0	0	753	MDC0896645	BUFFALO FUEL	
1	WASTE FLAM LIQUID	HAZ	D001		CLEAN HAR	CH157821	INCIN	18-Oct-01	4268	42,002	42,002	42,002	0	0	754	MDC0896646	BUFFALO FUEL	
1	WASTE FLAM LIQUID	HAZ	D001		CLEAN HAR	CH157821	INCIN	19-Oct-01	3394	33,401	33,401	33,401	0	0	755	MDC0896647	BUFFALO FUEL	
1	WASTE SOLID	HAZ	F002, F005		ENVIROTROL	vanchemnyww		25-Oct-01	0	3,800	3,800	0	0	3800	756	PAX9549761	AUTUMN	
2	WASTE SOLID	HAZ	F002		CALGON CAR	CAN2542	RECYCLE	31-Oct-01		5,000	5,000	0	0	5000	757	PAX9549750	HAZMAT	
4	WASTE FLAM LIQUID	HAZ	F002, F003, F005, D001, D021, D022		SPRING GROVE	CH124269	INCIN	2-Nov-01	0	411	411	411	0	0	758	NYG2001402	C HARBORS	
3	WASTE FLAM LIQUID	HAZ	D001, D021		SPRING GROVE	CH124412	INCIN	2-Nov-01	0	1,492	1,492	1,492	0	0	758	NYG2001402	C HARBORS	
2	WASTE FLAM LIQUID	HAZ	F002, D001, D021		SPRING GROVE	CH131275	INCIN	2-Nov-01	0	908	908	908	0	0	758	NYG2001402	C HARBORS	
4	WASTE FLAM LIQUID	HAZ	D001		SPRING GROVE	CH154629	INCIN	2-Nov-01	0	1,826	1,826	1,826	0	0	758	NYG2001402	C HARBORS	
2	WASTE CB	HAZ	D001, D021		SPRING GROVE	CH154636	INCIN	2-Nov-01	0	994	994	994	0	0	759	NYG2001411	C HARBORS	
2	WASTE PNBC	HAZ	F003, D001		SPRING GROVE	CH183011	INCIN	2-Nov-01	0	656	656	656	0	0	759	NYG2001411	C HARBORS	
6	WASTE POH	HAZ	D001		SPRING GROVE	CH183013	INCIN	2-Nov-01	0	2,715	2,715	2,715	0	0	759	NYG2001411	C HARBORS	
8	WASTE TOLUENE	HAZ	F005, D021		SPRING GROVE	CH183169	INCIN	2-Nov-01	0	2,809	2,809	2,809	0	0	759	NYG2001411	C HARBORS	
7	WASTE SOLID ACE/M	HAZ	F002, F003, F005, D021, D022		CLEAN HAR	CH124262	INCIN	2-Nov-01	0	2,672	2,672	2,672	0	0	760	NYG2001393	C HARBORS	
3	WASTE SOLID MCB	HAZ	F002, F005, D021		CLEAN HAR	CH131345	INCIN	2-Nov-01	0	891	891	891	0	0	760	NYG2001393	C HARBORS	

2001 HAZARDOUS WASTE REPORT WORKSHEET
Rev 2-Jan-02

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
4	WASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HAR	CH14592	INCIN	2-Nov-01	0	1,616	1,616	1,616	0	0	761	MDC0903452	C HARBORS	
11	WASTE SOLID PTSI	HAZ	F002, F003, F005, D021, D022		SPRING GROVE	CH183171	INCIN	2-Nov-01	0	2,990	2,990	2,990	0	0	762	NYG2001429	C HARBORS	
1	WASTE SOLID PCF	HAZ	D021		SPRING GROVE	CH124257	INCIN	2-Nov-01	0	112	112	112	0	0	762	NYG2001429	C HARBORS	
8	NON REGULATED MAT	NON	NONE		SPRING GROVE	CH124261	INCIN	2-Nov-01	0	4,720	0	0			763	VAC0811261	C HARBORS	
29	NON REGULATED MAT	NON	NONE		SPRING GROVE	CH183010	INCIN	2-Nov-01	0	12,324	0	0			763	VAC0811261	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HAR	CH183189	INCIN	21-Nov-01	3560	26,700	26,700	26,700	0	0	765	MDC0896448	C HARBORS	
4	WASTE CBZ/TOLUENE	HAZ	F002, F005, D021		CLEAN HAR	CH183179	INCIN	30-Nov-01	0	2,167	2,167	2,167	0	0	765	NYG2001726	C HARBORS	
3	WASTE ACETONE	HAZ	F003, D001,		SPRING GROVE	CH147750	INCIN	30-Nov-01	0	720	720	720	0	0	766	NYG2001735	C HARBORS	
2	WASTE MET/TRIETH	HAZ	F003, D001		SPRING GROVE	CH122220	INCIN	30-Nov-01	0	502	502	502	0	0	766	NYG2001735	C HARBORS	
2	WASTE NBI	HAZ	D001, D002		SPRING GROVE	CH156167	INCIN	30-Nov-01	0	842	842	842	0	0	766	NYG2001735	C HARBORS	
1	WASTE CBZ/PCF	HAZ	D021		SPRING GROVE	CH124257	INCIN	30-Nov-01	0	176	176	176	0	0	766	NYG2001735	C HARBORS	
7	WASTE NITRILES	HAZ			CLEAN HAR	CH158112	INCIN	30-Nov-01	0	573	573	573	0	0	767	NYG2001717	C HARBORS	
2	WASTE PNBC	HAZ			CLEAN HAR	CH183168	INCIN	30-Nov-01	0	888	888	888	0	0	767	NYG2001717	C HARBORS	
1	WASTE NBI	HAZ	D001, D002		CLEAN HAR	CH156167	INCIN	30-Nov-01	0	470	470	470	0	0	767	NYG2001717	C HARBORS	
2	WASTE ACE/METH	HAZ	F002, F003, F005, D021, D022		CLEAN HAR	CH12	INCIN	30-Nov-01	0	463	463	463	0	0	767	NYG2001717	C HARBORS	
2	WASTE HCL	HAZ	D002		CLEAN HAR	CH158111	INCIN	30-Nov-01	0	745	745	745	0	0	768	CTF0825194	C HARBORS	
5	WASTE PTSI/ACET	HAZ	F002, F003, F005, D021, D022		CLEAN HAR	CH183171	INCIN	30-Nov-01	0	1,734	1,734	1,734	0	0	768	CTF0825194	C HARBORS	
2	WASTE MCB	HAZ	D001, D021		CLEAN HAR	CH124412	INCIN	30-Nov-01	0	1,013	1,013	1,013	0	0	772	MDC0902826	C HARBORS	
4	WASTE CB	HAZ	D001, D021		CLEAN HAR	CH154636	INCIN	30-Nov-01	0	1,950	1,950	1,950	0	0	772	MDC0902826	C HARBORS	
1	WASTE CB	HAZ	D001, D021		CLEAN HAR	CH156168	INCIN	30-Nov-01	0	430	430	430	0	0	772	MDC0902826	C HARBORS	
2	WASTE BUTYRIC/POH	HAZ	D001,D002		CLEAN HAR	CH156189	INCIN	30-Nov-01	0	608	608	608	0	0	773	MDC0902832	C HARBORS	
1	WASTE	HAZ	D001,		CLEAN HAR	CH	INCIN	30-Nov-01	0	450	450	450	0	0	773	MDC0902832	C HARBORS	
2	WASTE POH	HAZ	D001		CLEAN HAR	CH183013	INCIN	30-Nov-01	0	561	561	561	0	0	774	MDC0902833	C HARBORS	
4	WASTE ACETONE	HAZ	F002, F003, F005, D001		CLEAN HAR	CH183167	INCIN	30-Nov-01	0	1,459	1,459	1,459	0	0	774	MDC0902833	C HARBORS	
4	WASTE TOLUENE	HAZ	F005, D001		CLEAN HAR	CH183169	INCIN	30-Nov-01	0	1,630	1,630	1,630	0	0	774	MDC0902833	C HARBORS	
1	WASTE TOLUENE	HAZ	D001, F003, F005		EQ RESOURCE	J51201OTS	INCIN	5-Dec-01	5000	37,500	37,500	37,500	0	0	775	MI8170504	FRANKS VACUUM	
1	WASTE TOL/METHAN	HAZ	D001, F003, F005		EQ RESOURCE	J51201OTS	INCIN	6-Dec-01	5000	37,500	37,500	37,500	0	0	776	MI8170505	FRANKS VACUUM	
1	WASTE TOL/METHAN	HAZ	D001		EQ RESOURCE	J51201OTS	INCIN	12-Dec-01	5000	37,500	37,500	37,500	0	0	777	MI7612329	BUFFALO FUEL	
1	WASTE TOLUENE	HAZ	D001, F005		EI DUPONT	WTS3130	WWT	14-Dec-01	5000	41,700	41,700	0	41,700	0	778	NJA4087149	BUFFALO FUEL	
1	WASTE TOL/METHAN	HAZ	D001, F003, F005		EI DUPONT	OW11243	WWT	18-Dec-01	6064	50,574	50,574	0	50,574	0	779	NJA4087177	BUFFALO FUEL	
1	WASTE TOL/METHAN	HAZ	D001, F003, F005		EQ RESOURCE	J51201	INCIN	19-Dec-01	5900	44,250	44,250	44,250	0	0	780	MI7612330	BUFFALO FUEL	
1	WASTE TOL/METHAN	HAZ	D001, F003, F005		EI DUPONT	OW11243	WWT	20-Dec-01	5516	46,003	46,003	0	46,003	0	781	NJA4087197	BUFFALO FUEL	
1	WASTE TOL/METHAN	HAZ	D001, F003, F005		EQ RESOURCE	J51201	INCIN	21-Dec-01	6000	45,000	45,000	45,000	0	0	782	MI7612336	BUFFALO FUEL	
1	WASTE TOL/METHAN	HAZ	D001, F003, F005		EQ RESOURCE	J51201	INCIN	28-Dec-01	5000	37,500	37,500	37,500	0	0	783	MI7612331	BUFFALO FUEL	
1	WASTE TOL/METHAN	HAZ	D001, F003, F005		EQ RESOURCE	J51201	INCIN	31-Dec-01	5000	37,500	37,500	37,500	0	0	784	MI7612332	BUFFALO FUEL	

L = LANDFILL
B = INCINERATIION
T = TREATED
R = RECYCLE
S = STORAGE

2000 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax.

Rev 19-Jun-00

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	EST COST \$	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	WASTE CAUSTIC LIQUID	HAZ	D002	Plant	CLEAN HAR		TREATED	24-Jan-01	0	512	512	512	0	512	661	CTF0964019	C HARBORS		
1	WASTE DMF	HAZ	D001	Amide Chloride	CLEAN HAR		INCIN	2-Feb-01	0	150	150	150	150	0	663	MAM692146	C HARBORS		
1	WASTE FLAM LIQUIDS	HAZ	F002, F003, D001, D021, D022	Lab	CLEAN HAR	CH124269	INCIN	2-Feb-01	0	447	447	447	447	0	665	IL8621467	C HARBORS		
2	WASTE FLAM LIQUIDS	HAZ	D001, D021	PNBC	CLEAN HAR	CH124412	INCIN	2-Feb-01	0	977	977	977	977	0	665	IL8621467	C HARBORS		
1	WASTE FLAM LIQUIDS	HAZ	D001, D021, F002	PTSI	CLEAN HAR	CH131275	INCIN	2-Feb-01	0	475	475	475	475	0	665	IL8621467	C HARBORS		
2	HAZ WASTE SOLID	HAZ	F002, F003, F005, D021, D022	Lab	CLEAN HAR	CH124262	INCIN	2-Feb-01	0	258	258	258	258	0	665	IL8621467	C HARBORS		
11	WASTE SOLID CORR	HAZ	D003	Amide Chloride	CLEAN HAR	CH183160	INCIN	23-Feb-01	0	2,750	2,750	2,750	2,750	0	666	CTF0929756	C HARBORS		
1	WASTE LIQUID FLAM	HAZ	D001, D021, F002	PTSI	CLEAN HAR	CH131275	INCIN	23-Feb-01	0	400	400	400	400	0	666	CTF0929756	C HARBORS		
3	WASTE LIQUID POH	HAZ	D001	PNBC	CLEAN HAR	CH183013	INCIN	23-Feb-01	0	901	901	901	901	0	667	MDC0891562	C HARBORS		
7	WASTE LIQUID PNBC ACETONE	HAZ	F003, D001	PNBC	CLEAN HAR	CH183011	INCIN	23-Feb-01		2,412	2,412	2,412	2,412	0	667	MDC0891562	C HARBORS		
1	WASTE MCB SOLID	HAZ	F002, D021	PTSI	CLEAN HAR	CH131345	INCIN	23-Feb-01	0	450	450	450	450	0	668	NYG2632563	C HARBORS		
1	WASTE SOLID PHENOL	HAZ	U'188	PHCF	CLEAN HAR	CH183012	INCIN	23-Feb-01	0	450	450	450	450	0	668	NYG2632563	C HARBORS		
1	WASTE SOLID PTSI ACETONE	HAZ	F002, F003, F005, D003, D021	PTSI	CLEAN HAR	CH183171	INCIN	23-Feb-01	0	350	350	350	350	0	668	NYG2632563	C HARBORS		
23	TOXIC LIQUID PhCF	HAZ		PHCF	CLEAN HAR	CH183164	INCIN	23-Feb-01	0	10,100	10,100	10,100	10,100	0	669	NYG2632554	C HARBORS		
1	WASTE LIQUID PhCF ACETONE	HAZ	F003, D001	PHCF	CLEAN HAR	CH183161	INCIN	23-Feb-01	0	350	350	350	350	0	669	NYG2632555	C HARBORS		
2	WASTE FLAM LIQUIDS	HAZ	D001, D002	Pilot Lab	CLEAN HAR	CH147710	INCIN	23-Feb-01	0	800	800	800	800	0	669	NYG2632556	C HARBORS		
4	WASTE SOLID ACE/MET	HAZ	F002, F003, F005, D021, D022	Plant	CLEAN HAR	CH124262	INCIN	23-Feb-01	0	1,600	1,600	1,600	1,600	0	669	NYG2632557	C HARBORS		
1	WASTE TOLUENE	HAZ	F005, D001		CLEAN HAR	CH183169B	INCIN	14-Mar-01		5,670	40,940	40,940	40,940	0	673	MDC0727121	C HARBORS		
												64,322	63,810	512					

WASTE TAX 1ST QUARTER 2001

TONS GENERATED		32.16
TONS NOT SUBJECT TO ASSESSMENT		0.00
TONS SUBJECT TO ASSESSMENT		32.16
\$ FOR INCINERATION	31.91	\$287.15
\$ FOR TREATMENT	0.26	\$4.10
TOTAL ASSESSMENT		\$291.24

2000 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax.

Rev 31-Oct-12

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER
1	WASTE LIQUID BCF, MCL	HAZ	F002, F003, F005, D001, D021, D022	BCF	CLEAN HAR	CH124269	INCIN	4-Apr-01	0	325	325	325	0	0	674	MDC0901969	C HARBORS
1	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	6-Apr-01	0	36,836	36,836	36,836	0	0	675	MDC0903706	C HARBORS
1	WASTE TOLUENE	HAZ	F005, D001, D002	HEGCL	CLEAN HAR	CH183169B	INCIN	11-Apr-01	0	33,740	33,740	33,740	0	0	676	MDC0727122	C HARBORS
1	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	25-Apr-01	4361	31,533	31,533	31,533	0	0	677	MDC0727123	FRANKS VAC
1	WASTE SOLIDS	HAZ	F002, F005	Plant	CALGON CARB	CAN2543R	RECYCL	27-Apr-01	0	4,000	4,000	0	0	4000	678	PAX9549831	CALGON CARB
3	WASTE SOLIDS	HAZ	F002	HEGCL	CALGON CARB	CAN2542R	RECYCL	27-Apr-01	0	7,500	7,500	0	0	7500	678	PAX9549831	CALGON CARB
1	WASTE FUEL OIL, MCB	HAZ	D001, F002, D021	PTSI	CLEAN HAR	CH131275	INCIN	4-May-01	0	475	475	475	0	0	680	MDC0800675	C HARBORS
2	WASTE FUEL OIL, MCB	HAZ	D001, F002, D021	PTSI	CLEAN HAR	CH131275	INCIN	4-May-01	0	493	493	493	0	0	681	MDC0893659	C HARBORS
2	WASTE CHLORBENZE	HAZ	D001, D021	PTSI	CLEAN HAR	CH156168	INCIN	4-May-01	0	932	932	932	0	0	681	MDC0893659	C HARBORS
11	WASTE ACETONE	HAZ	F002, F003, F005, D001	Plant	CLEAN HAR	CH183167	INCIN	4-May-01	0	3,661	3,661	3,661	0	0	681	MDC0893659	C HARBORS
1	WASTE LIQUID	HAZ	F002, F003, F005, D001	Plant	CLEAN HAR	CH183167	INCIN	4-May-01	0	822	822	822	0	0	682	MDC0893660	C HARBORS
1	WASTE FLAMABLE LIQ	HAZ	F002, F005, D021	Plant	CLEAN HAR	CH183179	INCIN	4-May-01	0	419	419	419	0	0	682	MDC0893660	C HARBORS
1	WASTE FLAMABLE LIQ	HAZ	D001, D001	Lab	CLEAN HAR	CH183173	INCIN	4-May-01	0	1,135	1,135	1,135	0	0	682	MDC0893660	C HARBORS
2	WASTE ACETONE	HAZ	D001,	?	CLEAN HAR	CH156169	INCIN	4-May-01	0	463	463	463	0	0	683	MDC0893658	C HARBORS
5	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169	INCIN	4-May-01	0	1,929	1,929	1,929	0	0	683	MDC0893658	C HARBORS
2	WASTE FLAMABLE LIQ	HAZ	D001, D021	PNBC	CLEAN HAR	CH124412	INCIN	4-May-01	0	935	935	935	0	0	683	MDC0893658	C HARBORS
5	WASTE SOLID	HAZ	F002, F003, F005, D021	Plant	CLEAN HAR	CH183171	INCIN	4-May-01	0	2,155	2,155	2,155	0	0	684	CTF0950717	C HARBORS
3	WASTE	HAZ		Plant	CLEAN HAR	CH124264	INCIN	4-May-01	0	721	721	721	0	0	684	CTF0950717	C HARBORS
1	WASTE SOLID MCB	HAZ	F002, F005, D021	PTSI	CLEAN HAR	CH131345	INCIN	4-May-01	0	180	180	180	0	0	688	NYG2633418	C HARBORS
1	WASTE SOLID PHENOL	HAZ	U188	PHCF	CLEAN HAR	CH183012	INCIN	4-May-01	0	35	35	35	0	0	688	NYG2633418	C HARBORS
1	WASTE FLAMABLE LIQ	HAZ	D001, F005		CLEAN HAR	CH183161	INCIN	4-May-01	0	294	294	294	0	0	688	NYG2633418	C HARBORS
3	WASTE MCB/DEA	HAZ	D001, D021	HEGCL	CLEAN HAR	CH147725	INCIN	4-May-01	0	854	854	854	0	0	689	NYG2633409	C HARBORS
1	WASTE TETR/HCL	HAZ	D001, D002		CLEAN HAR	CH147710	INCIN	4-May-01	0	356	356	356	0	0	689	NYG2633418	C HARBORS
9	WASTE N-BUT	HAZ	D001, D002		CLEAN HAR	CH156167	INCIN	4-May-01	0	3,740	3,740	3,740	0	0	689	NYG2633418	C HARBORS
4	WASTE ACE/METH	HAZ	F002, F003, D021, D022		CLEAN HAR	CH124262	INCIN	4-May-01	0	806	806	806	0	0	689	NYG2633418	C HARBORS
1	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	11-May-01	2075	15,004	15,004	15,004	0	0	690	MDC0727125	C HARBORS
2	WASTE SOLID	HAZ	F002		CLEAN HAR	CAN2542R	RECYCL	14-May-01	0	5,000	5,000	0	0	5000	691	NYB5565141	HAZMAT
2	WASTE SOLID	HAZ	F005		CLEAN HAR	CAN2543R	RECYCL	14-May-01	0	8,000	8,000	0	0	8000	691	NYB5565141	HAZMAT
1	WASTE SOLID PCF	HAZ		PNBC	CLEAN HAR	CH183164	INCIN	16-May-01	0	354	354	354	0	0	692	NYG2633653	C HARBORS
1	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	30-May-01	5000	36,154	36,154	36,154	0	0	695	MDC0727128	FRANKS VAC

2000 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax.
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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER
1	WASTE SOLID DIMETH	HAZ	D003		CLEAN HAR	CH169160	INCIN	15-Jun-01	0	223	223	223	0	0	698	CTF0998731	C HARBORS
2	WASTE SOLID PTSA	HAZ	F002, F003, F005, D021		CLEAN HAR	CH183171	INCIN	15-Jun-01	0	517	517	517	0	0	698	CTF0998731	C HARBORS
8	WASTE CHLOROBTUA	HAZ	D001		CLEAN HAR	CH156186	INCIN	15-Jun-01	0	2,104	2,104	2,104	0	0	699	NYG2634642	C HARBORS
6	WASTE FLAMABLE LIQ	HAZ	F003, D001		CLEAN HAR	CH183161	INCIN	15-Jun-01	0	2,107	2,107	2,107	0	0	699	NYG2634642	C HARBORS
3	WASTE FLAMABLE LIQ	HAZ	D001, D002		CLEAN HAR	CH156167	INCIN	15-Jun-01	0	1,371	1,371	1,371	0	0	699	NYG2634642	C HARBORS
6	WASTE SOLID ACE/MET	HAZ	F002, F003, F005, D021, D002		CLEAN HAR	CH124262	INCIN	15-Jun-01	0	1,861	1,861	1,861	0	0	699	NYG2634642	C HARBORS
5	WASTE ACETONE	HAZ	F003, D001		CLEAN HAR	CH147750	INCIN	15-Jun-01	0	1,789	1,789	1,789	0	0	703	MAQ031369	C HARBORS
14	WASTE BUTYRIC POH	HAZ	D001, D002		CLEAN HAR	CH156189	INCIN	15-Jun-01	0	5,895	5,895	5,895	0	0	704	MDC0897594	C HARBORS
1	WASTE TOLUENE/CB	HAZ	F005, D001, D021		CLEAN HAR	CH156194	INCIN	15-Jun-01	0	442	442	442	0	0	705	MDC0897595	C HARBORS
2	WASTE POH	HAZ	D001		CLEAN HAR	CH183013	INCIN	15-Jun-01	0	804	804	804	0	0	705	MDC0897595	C HARBORS
2	WASTE ACETONE	HAZ	F002, F003, F005, D001		CLEAN HAR	CH183167	INCIN	15-Jun-01	0	698	698	698	0	0	705	MDC0897595	C HARBORS
1	WASTE PROPANOL/ME	HAZ	F002, D001		CLEAN HAR	CH183173	INCIN	15-Jun-01	0	610	610	610	0	0	705	MDC0897595	C HARBORS
1	WASTE CHLOROBEN	HAZ	D001, D021		CLEAN HAR	CH156187	INCIN	15-Jun-01	0	469	469	469	0	0	706	MDC0897596	C HARBORS
1	WASTE BENZYL /METH	HAZ	F002, F003, F005, D001, D021, D022		CLEAN HAR	CH124269	INCIN	15-Jun-01	0	464	464	464	0	0	706	MDC0897596	C HARBORS
1	WASTE MCB	HAZ	D001, D021		CLEAN HAR	CH124412	INCIN	15-Jun-01	0	425	425	425	0	0	706	MDC0897596	C HARBORS
1	WASTE DIMETHY/BUT	HAZ	D001		CLEAN HAR	WTS1294	INCIN	21-Jun-01	0	30,380	30,380	30,380	0	0	707	NYG2975643	C HARBORS
1	WASTE TOLUENE	HAZ	F005, D001		CLEAN HAR	CH183169B	INCIN	22-Jun-01	5000	36,154	36,154	36,154			708	MDC0727129	C HARBORS

142.58 142.58 130.33 0.00 12.25

WASTE TAX 1ST QUARTER 2001

TONS GENERATED	142.58
TONS NOT SUBJECT TO ASSESSMENT	9.19
TONS SUBJECT TO ASSESSMENT	133.39
\$ FOR INCINERATION	\$1,200.55
\$ FOR TREATMENT	\$0.00
TOTAL ASSESSMENT	\$1,200.55

2001 HAZARDOUS WASTE REPORT WORKSHEET
Rev 12-Oct-01

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
9	WASTE LIQ ACETONE	HAZ	F002, F003, F005, D001	Plant	CLEAN HAR	CH183167	INCIN	27-Jul-01	0	3,192	3,192	3,192	0	0	711	MDC0891977	C HARBORS	
1	WSTE FLAM LIQUID POH	HAZ	D001	PNBC	CLEAN HAR		INCIN	31-Aug-00	0	25	25				736	MDC0903645	C HARBORS	
2	WASTE TOLUENE	HAZ	F005, D001	HEGCL	CLEAN HAR	CH183169	INCIN	27-Jul-01	0	751	751	751	0	0	711	MDC0891977	C HARBORS	
10	WASTE FLAM LIQUIDS	HAZ	D001, D021		CLEAN HAR	CH154633	INCIN	27-Jul-01	0	463	463	463	0	0	711	MDC0891977	C HARBORS	
2	WASTE CHLOROBEN	HAZ	D001, D021		CLEAN HAR	CH154636	INCIN	27-Jul-01	0	1,018	1,018	1,018	0	0	712	MDC0891975	C HARBORS	
8	WASTE LIQ BZOH	HAZ	D001	BCF	CLEAN HAR	CH154629	INCIN	27-Jul-01	0	3,257	3,257	3,257	0	0	712	MDC0891975	C HARBORS	
1	WASTE SOLID	HAZ	F005		CLEAN HAR	CH154630	INCIN	27-Jul-01	0	327	327	327	0	0	712	MDC0891975	C HARBORS	
1	WASTE WATER REACTIVE	HAZ	D003, D021	PTSI	CLEAN HAR	CH156193	INCIN	27-Jul-01	0	210	210	210	0	0	712	MDC0891975	C HARBORS	
4	WASTE SOLID	HAZ	NONE		CLEAN HAR	CH183165	INCIN	27-Jul-01	0	1,352	1,352	1,352	0	0	715	MDC0891976	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	F002, F003, F005, D001, D021, D022	Lab	CLEAN HAR	CH124269	INCIN	27-Jul-01	0	459	459	459	0	0	715	MDC0891976	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	F002, D001, D021		CLEAN HAR	CH124??	INCIN	27-Jul-01	0	408	408	408	0	0	715	MDC0891976	C HARBORS	
22	WASTE DMF	HAZ	D001	ACL	CLEAN HAR	CH131343	INCIN	27-Jul-01	0	9,274	9,274	9,274	0	0	716	MAM890923	C HARBORS	
5	WASTE SOLID	HAZ	F002, F003, F005, D021, D022	Lab	CLEAN HAR	CH124262	INCIN	27-Jul-01	0	851	851	851	0	0	716	MAM890923	C HARBORS	
4	WASTE PTSI ACETONE	HAZ	F002, F003, F005, D021	PTSI	CLEAN HAR	CH183171	INCIN	27-Jul-01	0	1,034	1,034	1,034	0	0	717	CTF0975457	C HARBORS	
1	WASTE CAUSTIC LIQ	HAZ	D002, D005	Plant	CLEAN HAR	CH183156	TREATED	27-Jul-01	0	497	497	0	497	0	718	NYG2635272		
1	WASTE LIQUID	HAZ	F002, F005, D021	Plant	CLEAN HAR	CH183179	INCIN	27-Jul-01	0	402	402	402	0	0	718	NYG2635272		
4	WASTE FLAM LIQUID	HAZ	F002, D001, D021	PTSI	CLEAN HAR	CH131275	INCIN	27-Jul-01	0	1,782	1,782	1,782	0	0	719	MDC0860270	C HARBORS	
7	WASTE SOLID	HAZ	F002, F005	Plant	ENVIROTROL		RECYCLE	27-Jul-01	0	42,000	42,000	0	0	42000	720	PAG311692	BUFFALO FUEL	
1	WASTE ACE/CHLORIDE	HAZ	U006	Lab	CLEAN HAR	JEN-001	INCIN	9-Aug-01	0	10	10	10	0	0	723	IL9259235	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	D001, D002	Lab	CLEAN HAR	JEN-002	INCIN	9-Aug-01	0	41	41	41	0	0	723	IL9259235	C HARBORS	
1	WASTE OXIDIAING LIQ	HAZ	D001, D002, D008	Lab	CLEAN HAR	JEN-005	TREATED	9-Aug-01	0	6	6	0	6	0	723	IL9259235	C HARBORS	
1	WASTE BCF	HAZ	D003, D002	Lab	CLEAN HAR	JEN-007	INCIN	9-Aug-01	0	35	35	35	0	0	723	IL9259235	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	D002, D001	Lab	CLEAN HAR	JEN-008	INCIN	9-Aug-01	0	16	16	16	0	0	723	IL9259235	C HARBORS	
1	WASTE TOXIC LIQUID	HAZ	F002, D002	Lab	CLEAN HAR	JEN-009	INCIN	9-Aug-01	0	11	11	11	0	0	723	IL9259235	C HARBORS	
2	WASTE ALLYL ALCOHO	HAZ	P005, D001	Lab	CLEAN HAR	JEN-010-015	INCIN	9-Aug-01	0	10	10	10	0	0	723	IL9259235	C HARBORS	
1	WASTE CORROSIVE LIQ	HAZ	D002, D001	Lab	CLEAN HAR	JEN-011	INCIN	9-Aug-01	0	22	22	22	0	0	723	IL9259235	C HARBORS	
1	WASTE PHENOL SOL	HAZ	U188	Lab	CLEAN HAR	JEN-012	INCIN	9-Aug-01	0	14	14	14	0	0	723	IL9259235	C HARBORS	
1	WASTE CORROSIVE SOL	HAZ	D003, D001	Lab	CLEAN HAR	JEN-013	INCIN	9-Aug-01	0	8	8	8	0	0	723	IL9259235	C HARBORS	
1	WASTE SODIUM SULF	HAZ	D003	Lab	CLEAN HAR	JEN-014	INCIN	9-Aug-01	0	12	12	12	0	0	723	IL9259235	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	P022, D001	Lab	CLEAN HAR	JEN-016	INCIN	9-Aug-01	0	6	6	6	0	0	723	IL9259235	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	U079	Lab	CLEAN HAR		INCIN	9-Aug-01	0	4	4	4	0	0	723	IL9259235	C HARBORS	
1	WASTE CHLOROFORM	HAZ	D002, D001	Lab	CLEAN HAR	JEN-017	INCIN	9-Aug-01	0	4	4	4	0	0	723	IL9259235	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	D001, D002	Lab	CLEAN HAR	JEN-019	INCIN	9-Aug-01	0	7	7	7	0	0	723	IL9259235	C HARBORS	
4	WASTE METHYL CF	HAZ	U156, D002	Lab	CLEAN HAR	JEN-020-023	INCIN	9-Aug-01	0	28	28	28	0	0	723	IL9259235	C HARBORS	
1	WASTE METHYL CHLO	HAZ	D001	Lab	CLEAN HAR	JEN-024	TREATED	9-Aug-01	0	4	4	0	4	0	723	IL9259235	C HARBORS	
5	WASTE SOLID PTSI ACE	HAZ	F002, F003, F005, D021	PTSI	CLEAN HAR	CH183171	INCIN	31-Aug-01	0	1,665	1,665	1,665	0	0	731	CTF0999168	C HARBORS	
5	WASTE SOLID CLOR TOL	HAZ	F002, F005, D021		CLEAN HAR	CH183279	incin	31-Aug-01	0	2,590	2,590	2,590	0	0	732	NYG2000592	C HARBORS	
7	WASTE SOLID ACE MET	HAZ	F002, F003, F005, D021, D022		CLEAN HAR	CH124262	INCIN	31-Aug-01	0	1,533	1,533	1,533	0	0	733	IL9351544	C HARBORS	
3	WSTE FLAM LIQUID	HAZ	D001, D021		CLEAN HAR	CH124412	INCIN	31-Aug-01	0	1,296	1,296	1,296	0	0	735	MDC0903646	C HARBORS	
1	WSTE FLAM LIQUID	HAZ	F002, D001, D021		CLEAN HAR	CH131275	INCIN	31-Aug-01	0	459	459	459	0	0	735	MDC0903646	C HARBORS	
11	WSTE FLAM LIQUID	HAZ	D001		CLEAN HAR	CH154629	INCIN	31-Aug-01	0	4,747	4,747	4,747	0	0	735	MDC0903646	C HARBORS	
1	WSTE FLAM LIQUID	HAZ	D001, D021		CLEAN HAR	CH156168	INCIN	31-Aug-01	0	503	503	503	0	0	735	MDC0903646	C HARBORS	

2001 HAZARDOUS WASTE REPORT WORKSHEET
Rev 12-Oct-01

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	WSTE FLAM LIQUID ACE	HAZ	F002, F003, F005, D001		CLEAN HAR	CH183167	INCIN	31-Aug-01	0	335	335	335	0	0	736	MDC0903645	C HARBORS	
3	WSTE FLAM LIQUIDMET	HAZ	F003, F005, D001		CLEAN HAR	CH187152	INCIN	31-Aug-01	0	1,141	1,141	1,141	0	0	736	MDC0903645	C HARBORS	
1	WSTE FLAM LIQUID BCF	HAZ	F003, D001, D021, D022, F002, F005	BCF	CLEAN HAR	CH124269	INCIN	31-Aug-01	0	426	426	426	0	0	736	MDC0903645	C HARBORS	
5	WASTE SOLID	HAZ	F002, F005,		ENVIROTROL		RECYCLE	12-Sep-01	0	30,000	30,000	0	0	30000	739	PA9549805	AUTUMN IND	
1	WASTE FLAM LIQUID	HAZ	D001, D002		CLEAN HAR	CH147710	INCIN	20-Sep-01	0	287	287	287	0	0	740	CTF0829916	C HARBORS	
1	WASTE TOLUENE	HAZ	F005, D001		CLEAN HAR	CH183169	INCIN	20-Sep-01	0	234	234	234	0	0	741	MDC0894881	C HARBORS	
21	WASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HAR	CH147734	INCIN	20-Sep-01	0	11,498	11,498	11,498	0	0	741	MDC0894881	C HARBORS	
6	WASTE SOLID ACE MET	HAZ	F002, F003, F005, D021, D022		CLEAN HAR	CH124262	INCIN	20-Sep-01	0	1,793	1,793	1,793	0	0	741	MDC0894881	C HARBORS	
3	WASTE LIQ CHL/TOL	HAZ	F002, F005, D021		CLEAN HAR	CH183179	INCIN	20-Sep-01	0	1,413	1,413	1,413	0	0	741	MDC0894881	C HARBORS	
6	WASTE DEA	HAZ	D001		CLEAN HAR	CH131343	INCIN	20-Sep-01	0	2,185	2,185	2,185	0	0	745	MDC0894882	C HARBORS	
1	WASTE CHLOROBENZ	HAZ	D001, D021		CLEAN HAR	CH156168	INCIN	20-Sep-01	0	575	575	575	0	0	745	MDC0894882	C HARBORS	
10	WASTE POH	HAZ	D001		CLEAN HAR	CH183013	INCIN	20-Sep-01	0	3,782	3,782	3,782	0	0	745	MDC0894882	C HARBORS	
3	WASTE ACETONE	HAZ	F002, F003, F005, D001		CLEAN HAR	CH183167	INCIN	20-Sep-01	0	1,025	1,025	1,025	0	0	745	MDC0894882	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	F002, F003, F005, D001, D021, D022		CLEAN HAR	CH124269	INCIN	20-Sep-01	0	446	446	446	0	0	746	MDC0894883	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	F002, D001, D021		CLEAN HAR	CH124271	INCIN	20-Sep-01	0	304	304	304	0	0	746	MDC0894883	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	D001, D021		CLEAN HAR	CH124412	INCIN	20-Sep-01	0	475	475	475	0	0	746	MDC0894883	C HARBORS	
2	WASTE FLAM LIQUID	HAZ	F002, D001, D021		CLEAN HAR	CH131275	INCIN	20-Sep-01	0	854	854	854	0	0	746	MDC0894883	C HARBORS	
6	WASTE SOLID TOLUENE	HAZ	F002, F005		CLEAN HAR		RECYCLE	25-Sep-01	0	36,000	36,000	0	0	36000	747	PAX9549794	C HARBORS	
1	WASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HAR	CH183169	INCIN	28-Sep-01	6221	46,658	46,658	46,658			748	MDC0902940	C HARBORS	
1	WASTE LIQUID MCB, TOL	HAZ	F002, F005, D021		CLEAN HAR	CH183179B	INCIN		0	20,560	20,560	20,560	0	0	722	NYG3081015	C HARBORS	

Total tons hazardous waste	120.2	\$597.12
Total tons incineration	65.9	\$593.06
Total tons wwft	0.3	\$4.06
Total tons recycle	40.5	\$0.00
Tons recycle incineration	13.5	121.5

2001 HAZARDOUS WASTE REPORT WORKSHEET
Rev 2-Jan-02

WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
WASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HAR	CH183169	INCIN	9-Oct-01	4350	31,200	31,200	31,200	0	0	749	MDC0892366	C HARBORS	
WASTE N-BUT ISOCY	HAZ	D001, D003		CLEAN HAR	CH157803	INCIN	10-Oct-01	0	38	38	38	0	0	750	NYG2000772	C HARBORS	
WASTE DIOXANE	HAZ	U108, D001		CLEAN HAR	CH147739	INCIN	10-Oct-01	0	98	98	98	0	0	750	NYG2000772	C HARBORS	
WASTE SOLID	HAZ	F002, F005		ENVIROTROL	vanchemnyww	RECYCLE	12-Oct-01	0	7,729	7,729	1,932	0	5796.75	751	PAX9549772	AUTUMN IND	
WASTE FLAM LIQUID	HAZ	D001		CLEAN HAR	CH157622	INCIN	17-Oct-01	3975	39,119	39,119	39,119	0	0	753	MDC0896645	BUFFALO FUEL	
WASTE FLAM LIQUID	HAZ	D001		CLEAN HAR	CH157821	INCIN	18-Oct-01	4268	42,002	42,002	42,002	0	0	754	MDC0896646	BUFFALO FUEL	
WASTE FLAM LIQUID	HAZ	D001		CLEAN HAR	CH157821	INCIN	19-Oct-01	3394	33,401	33,401	33,401	0	0	755	MDC0896647	BUFFALO FUEL	
WASTE SOLID	HAZ	F002, F005		ENVIROTROL	vanchemnyww		25-Oct-01	0	3,800	3,800	0	0	3800	756	PAX9549761	AUTUMN	
WASTE SOLID	HAZ	F002		CALGON CAR	CAN2542	RECYCLE	31-Oct-01		5,000	5,000	0	0	5000	757	PAX9549750	HAZMAT	
WASTE FLAM LIQUID	HAZ	F002, F003, F005, D001, D021, D022		SPRING GROVE	CH124269	INCIN	2-Nov-01	0	411	411	411	0	0	758	NYG2001402	C HARBORS	
WASTE FLAM LIQUID	HAZ	D001, D021		SPRING GROVE	CH124412	INCIN	2-Nov-01	0	1,492	1,492	1,492	0	0	758	NYG2001402	C HARBORS	
WASTE FLAM LIQUID	HAZ	F002, D001, D021		SPRING GROVE	CH131275	INCIN	2-Nov-01	0	908	908	908	0	0	758	NYG2001402	C HARBORS	
WASTE FLAM LIQUID	HAZ	D001		SPRING GROVE	CH154629	INCIN	2-Nov-01	0	1,826	1,826	1,826	0	0	758	NYG2001402	C HARBORS	
WASTE CB	HAZ	D001, D021		SPRING GROVE	CH154636	INCIN	2-Nov-01	0	994	994	994	0	0	759	NYG2001411	C HARBORS	
WASTE PNBC	HAZ	F003, D001		SPRING GROVE	CH183011	INCIN	2-Nov-01	0	656	656	656	0	0	759	NYG2001411	C HARBORS	
WASTE POH	HAZ	D001		SPRING GROVE	CH183013	INCIN	2-Nov-01	0	2,715	2,715	2,715	0	0	759	NYG2001411	C HARBORS	
WASTE TOLUENE	HAZ	F005, D021		SPRING GROVE	CH183169	INCIN	2-Nov-01	0	2,809	2,809	2,809	0	0	759	NYG2001411	C HARBORS	
WASTE SOLID ACE/M	HAZ	F002, F003, F005, D021, D022		CLEAN HAR	CH124262	INCIN	2-Nov-01	0	2,672	2,672	2,672	0	0	760	NYG2001393	C HARBORS	
WASTE SOLID MCB	HAZ	F002, F005, D021		CLEAN HAR	CH131345	INCIN	2-Nov-01	0	891	891	891	0	0	760	NYG2001393	C HARBORS	
WASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HAR	CH14592	INCIN	2-Nov-01	0	1,616	1,616	1,616	0	0	761	MDC0903452	C HARBORS	
WASTE SOLID PTSI	HAZ	F002, F003, F005, D021, D022		SPRING GROVE	CH183171	INCIN	2-Nov-01	0	2,990	2,990	2,990	0	0	762	NYG2001429	C HARBORS	
WASTE SOLID PCF	HAZ	D021		SPRING GROVE	CH124257	INCIN	2-Nov-01	0	112	112	112	0	0	762	NYG2001429	C HARBORS	
WASTE FLAM LIQUID	HAZ	F005, D001		CLEAN HAR	CH183189	INCIN	21-Nov-01	3560	26,700	26,700	26,700	0	0	765	MDC0896448	C HARBORS	
WASTE CBZ/TOLUENE	HAZ	F002, F005, D021		CLEAN HAR	CH183179	INCIN	30-Nov-01	0	2,167	2,167	2,167	0	0	765	NYG2001726	C HARBORS	
WASTE ACETONE	HAZ	F003, D001,		SPRING GROVE	CH147750	INCIN	30-Nov-01	0	720	720	720	0	0	766	NYG2001735	C HARBORS	
WASTE MET/TRIETH	HAZ	F003, D001		SPRING GROVE	CH122220	INCIN	30-Nov-01	0	502	502	502	0	0	766	NYG2001735	C HARBORS	
WASTE NBI	HAZ	D001, D002		SPRING GROVE	CH156167	INCIN	30-Nov-01	0	842	842	842	0	0	766	NYG2001735	C HARBORS	
WASTE CBZ/PCF	HAZ	D021		SPRING GROVE	CH124257	INCIN	30-Nov-01	0	176	176	176	0	0	766	NYG2001735	C HARBORS	
WASTE NITRILES	HAZ			CLEAN HAR	CH158112	INCIN	30-Nov-01	0	573	573	573	0	0	767	NYG2001717	C HARBORS	
WASTE PNBC	HAZ			CLEAN HAR	CH183168	INCIN	30-Nov-01	0	888	888	888	0	0	767	NYG2001717	C HARBORS	
WASTE NBI	HAZ	D001, D002		CLEAN HAR	CH156167	INCIN	30-Nov-01	0	470	470	470	0	0	767	NYG2001717	C HARBORS	
WASTE ACE/METH	HAZ	F002, F003, F005, D021, D022		CLEAN HAR	CH12	INCIN	30-Nov-01	0	463	463	463	0	0	767	NYG2001717	C HARBORS	
WASTE HCL	HAZ	D002		CLEAN HAR	CH158111	INCIN	30-Nov-01	0	745	745	745	0	0	768	CTF0825194	C HARBORS	
WASTE PTSI/ACET	HAZ	F002, F003, F005, D021, D022		CLEAN HAR	CH183171	INCIN	30-Nov-01	0	1,734	1,734	1,734	0	0	768	CTF0825194	C HARBORS	
WASTE MCB	HAZ	D001, D021		CLEAN HAR	CH124412	INCIN	30-Nov-01	0	1,013	1,013	1,013	0	0	772	MDC0902826	C HARBORS	
WASTE CB	HAZ	D001, D021		CLEAN HAR	CH154636	INCIN	30-Nov-01	0	1,950	1,950	1,950	0	0	772	MDC0902826	C HARBORS	
WASTE CB	HAZ	D001, D021		CLEAN HAR	CH156168	INCIN	30-Nov-01	0	430	430	430	0	0	772	MDC0902826	C HARBORS	
WASTE BUTYRIC/POH	HAZ	D001,D002		CLEAN HAR	CH156189	INCIN	30-Nov-01	0	608	608	608	0	0	773	MDC0902832	C HARBORS	
WASTE	HAZ	D001,		CLEAN HAR	CH	INCIN	30-Nov-01	0	450	450	450	0	0	773	MDC0902832	C HARBORS	
WASTE POH	HAZ	D001		CLEAN HAR	CH183013	INCIN	30-Nov-01	0	561	561	561	0	0	774	MDC0902833	C HARBORS	
WASTE ACETONE	HAZ	F002, F003, F005, D001		CLEAN HAR	CH183167	INCIN	30-Nov-01	0	1,459	1,459	1,459	0	0	774	MDC0902833	C HARBORS	
WASTE TOLUENE	HAZ	F005, D001		CLEAN HAR	CH183169	INCIN	30-Nov-01	0	1,630	1,630	1,630	0	0	774	MDC0902833	C HARBORS	
WASTE TOLUENE	HAZ	D001, F003, F005		EQ RESOURCE	J51201OTS	INCIN	5-Dec-01	5000	37,500	37,500	37,500	0	0	775	MI8170504	FRANKS VACUUM	
WASTE TOL/METHAN	HAZ	D001, F003, F005		EQ RESOURCE	J51201OTS	INCIN	6-Dec-01	5000	37,500	37,500	37,500	0	0	776	MI8170505	FRANKS VACUUM	
WASTE TOL/METHAN	HAZ	D001		EQ RESOURCE	J51201OTS	INCIN	12-Dec-01	5000	37,500	37,500	37,500	0	0	777	MI7612329	BUFFALO FUEL	
WASTE TOLUENE	HAZ	D001, F005		EI DUPONT	WTS3130	VVWT	14-Dec-01	5000	41,700	41,700	0	41,700	0	778	NJA4087149	BUFFALO FUEL	
WASTE TOL/METHAN	HAZ	D001, F003, F005		EI DUPONT	OW11243	VVWT	18-Dec-01	6064	50,574	50,574	0	50,574	0	779	NJA4087177	BUFFALO FUEL	
WASTE TOL/METHAN	HAZ	D001, F003, F005		EQ RESOURCE	J51201	INCIN	19-Dec-01	5900	44,250	44,250	44,250	0	0	780	MI7612330	BUFFALO FUEL	
WASTE TOL/METHAN	HAZ	D001, F003, F005		EI DUPONT	OW11243	VVWT	20-Dec-01	5516	46,003	46,003	0	46,003	0	781	NJA4087197	BUFFALO FUEL	
WASTE TOL/METHAN	HAZ	D001, F003, F005		EQ RESOURCE	J51201	INCIN	21-Dec-01	6000	45,000	45,000	45,000	0	0	782	MI7612336	BUFFALO FUEL	
WASTE TOL/METHAN	HAZ	D001, F003, F005		EQ RESOURCE	J51201	INCIN	28-Dec-01	5000	37,500	37,500	37,500	0	0	783	MI7612331	BUFFALO FUEL	
WASTE TOL/METHAN	HAZ	D001, F003, F005		EQ RESOURCE	J51201	INCIN	31-Dec-01	5000	37,500	37,500	37,500	0	0	784	MI7612332	BUFFALO FUEL	
									320.8	320.8	227.7	69.1	4.4				

2001 HAZARDOUS WASTE REPORT WORKSHEET
Rev 2-Jan-02

WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
		TONS HAZ WASTE	\$ / TON	\$													

Total tons hazardous waste	320.8				CHANGED ON 2/28/02 - FOUND ERROR IN THE MACRO SET UP.												
Total tons incineration	227.7	\$9.00	\$2,049.50														
Total tons wwt	69.1	\$16.00	\$1,106.22														
Total tons recycle	3.3	\$0.00	\$0.00														
Tons recycle incineration	1.1	\$9.00	\$9.90														

TOTAL \$3,165.62

2001 HAZARDOUS WASTE REPORT WORKSHEET - 2ND QUARTER FINANCIAL REPORT

Rev 7/12/01

WASTE DESCRIPTION	HAZ / NON	PROCES GENERATING WASTE	DISP METHOD	SHIP DATE	DISP VOL GAL	DISP WT. #'S	HAZ. WT. #'S	INCIN. WT. #'S	WW WT. #'S	RECY / REC IN #'S	#'S PER CATEGORY
WASTE SOLID DIMETH	HAZ	ACL	INCIN	15-Jun-01	0	223	223	223	0	0	223
WASTE AVANEL	NON	AVANEL	INCIN	21-May-01	0	34,900	34,900	34,900	0	0	44,215
WASTE AVANEL	NON	AVANEL	INCIN	21-May-01	0	9,315	9,315	9,315	0	0	
WASTE BENZYL /METH	HAZ	BCF	INCIN	15-Jun-01	0	464	464	464	0	0	789
WASTE LIQUID BCF, MCL	HAZ	BCF	INCIN	4-Apr-01	0	325	325	325	0	0	
WASTE BUTYRIC POH	HAZ	BUCL	INCIN	15-Jun-01	0	5,895	5,895	5,895	0	0	97,316
WASTE CHLOROBTUA	HAZ	BUCL	INCIN	15-Jun-01	0	2,104	2,104	2,104	0	0	
WASTE DIMETHY/BUT	HAZ	BUCL	INCIN	21-Jun-01	0	30,380	30,380	30,380	0	0	
WASTE LOW ORGANIC	NON	BUCL	TREATED	12-Jun-01	4500	37,485	37,485	0	37485	0	
WASTE LOW ORGANIC	NON	BUCL	TREATED	12-Jun-01	2500	20,825	20,825	0	20825	0	
WASTE SOLID CORR	HAZ	BUCL	INCIN	15-Jun-01	0	627	627	627	0	0	
WASTE MCB/DEA	HAZ	HEGCL	INCIN	4-May-01	0	854	854	854	0	0	205,146
WASTE SOLID	HAZ	HEGCL	RECYCL	14-May-01	0	5,000	5,000	0	0	5000	
WASTE SOLIDS	HAZ	HEGCL	RECYCL	27-Apr-01	0	7,500	7,500	0	0	7500	
WASTE TOLUENE	HAZ	HEGCL	INCIN	6-Apr-01	0	36,836	36,836	36,836	0	0	
WASTE TOLUENE	HAZ	HEGCL	INCIN	11-Apr-01	0	33,740	33,740	33,740	0	0	
WASTE TOLUENE	HAZ	HEGCL	INCIN	25-Apr-01	4361	31,533	31,533	31,533	0	0	
WASTE TOLUENE	HAZ	HEGCL	INCIN	4-May-01	0	1,929	1,929	1,929	0	0	
WASTE TOLUENE	HAZ	HEGCL	INCIN	11-May-01	0	2,075	15,004	15,004	0	0	
WASTE TOLUENE	HAZ	HEGCL	INCIN	30-May-01	5000	36,154	36,154	36,154	0	0	
WASTE TOLUENE	HAZ	HEGCL	INCIN	22-Jun-01	5000	36,154	36,154	36,154	0	0	
WASTE TOLUENE/CB	HAZ	HEGCL	INCIN	15-Jun-01	0	442	442	442	0	0	
WASTE ACE/METH	HAZ	Lab	INCIN	4-May-01	0	806	806	806	0	0	4,412
WASTE FLAMABLE LIQ	HAZ	Lab	INCIN	4-May-01	0	1,135	1,135	1,135	0	0	
WASTE PROPANOL/ME	HAZ	Lab	INCIN	15-Jun-01	0	610	610	610	0	0	
WASTE SOLID ACE/MET	HAZ	Lab	INCIN	15-Jun-01	0	1,861	1,861	1,861	0	0	
WASTE ACETONE	HAZ	PHCF	INCIN	4-May-01	0	463	463	463	0	0	6,220
WASTE FLAMABLE LIQ	HAZ	PHCF	INCIN	4-May-01	0	294	294	294	0	0	
WASTE FLAMABLE LIQ	HAZ	PHCF	INCIN	15-Jun-01	0	2,107	2,107	2,107	0	0	
WASTE SOLID PHENOL	HAZ	PHCF	INCIN	4-May-01	0	35	35	35	0	0	
WASTE SOLIDS	NON	PHCF	INCIN	4-May-01	0	3,321	3,321	3,321	0	0	
WASTE SOLIDS	NON	Pilot Lab	INCIN	4-May-01	0	1,722	1,722	1,722	0	0	2,078
WASTE TETR/HCL	HAZ	Pilot Lab	INCIN	4-May-01	0	356	356	356	0	0	
NON REGULATED MAT	NON	Plant	INCIN	15-Jun-01	0	610	610	610	0	0	22,384
NON REGULATED MAT	NON	Plant	INCIN	15-Jun-01	0	806	806	806	0	0	
Speedy Dry/Calcium Chl.	NON	Plant	INCIN	15-Jun-01	0	321	321	321	0	0	
WASTE	HAZ	Plant	INCIN	4-May-01	0	721	721	721	0	0	
WASTE ACETONE	HAZ	Plant	INCIN	4-May-01	0	3,661	3,661	3,661	0	0	

2001 HAZARDOUS WASTE REPORT WORKSHEET - 2ND QUARTER FINANCIAL REPORT
Rev 7/12/01

WASTE DESCRIPTION	HAZ / NON	PROCES GENERATING WASTE	DISP METHOD	SHIP DATE	DISP VOL GAL	DISP WT. #'S	HAZ. WT. #'S	INCIN. WT. #'S	WW WT. #'S	RECY / REC IN #'S	#'S PER CATEGORY
WASTE ACETONE	HAZ	Plant	INCIN	15-Jun-01	0	698	698	698	0	0	
WASTE COMB LIQUID	NON	PLANT	INCIN	27-Apr-01	0	171	171	0	0	171	
WASTE FLAMABLE LIQ	HAZ	Plant	INCIN	4-May-01	0	419	419	419	0	0	
WASTE LIQUID	HAZ	Plant	INCIN	4-May-01	0	822	822	822	0	0	
WASTE SOLID	HAZ	Plant	INCIN	4-May-01	0	2,155	2,155	2,155	0	0	
WASTE SOLID	HAZ	Plant	RECYCL	14-May-01	0	8,000	8,000	0	0	8000	
WASTE SOLIDS	HAZ	Plant	RECYCL	27-Apr-01	0	4,000	4,000	0	0	4000	
TOXIC LIQUID ORGANIC	NON	PNBC	INCIN	15-Jun-01	0	2,026	2,026	2,026	0	0	11,661
WASTE ACETONE	HAZ	PNBC	INCIN	15-Jun-01	0	1,789	1,789	1,789	0	0	
WASTE FLAMABLE LIQ	HAZ	PNBC	INCIN	4-May-01	0	935	935	935	0	0	
WASTE FLAMABLE LIQ	HAZ	PNBC	INCIN	15-Jun-01	0	1,371	1,371	1,371	0	0	
WASTE LIQUID	NON	PNBC	INCIN	4-May-01	0	498	498	498	0	0	
WASTE LIQUID	NON	PNBC	INCIN	4-May-01	0	144	144	144	0	0	
WASTE N-BUT	HAZ	PNBC	INCIN	4-May-01	0	3,740	3,740	3,740	0	0	
WASTE POH	HAZ	PNBC	INCIN	15-Jun-01	0	804	804	804	0	0	
WASTE SOLID PCF	HAZ	PNBC	INCIN	16-May-01	0	354	354	354	0	0	
PTSI RESIDUE	NON	PTSI	INCIN	15-Jun-01	0	4,108	4,108	4,108	0	0	12,693
WASTE CHLORBENZE	HAZ	PTSI	INCIN	4-May-01	0	932	932	932	0	0	
WASTE CHLOROBEN	HAZ	PTSI	INCIN	15-Jun-01	0	469	469	469	0	0	
WASTE FUEL OIL, MCB	HAZ	PTSI	INCIN	4-May-01	0	475	475	475	0	0	
WASTE FUEL OIL, MCB	HAZ	PTSI	INCIN	4-May-01	0	493	493	493	0	0	
WASTE MCB	HAZ	PTSI	INCIN	15-Jun-01	0	425	425	425	0	0	
WASTE NON REG	NON	PTSI	INCIN	4-May-01	0	5,094	5,094	5,094	0	0	
WASTE SOLID MCB	HAZ	PTSI	INCIN	4-May-01	0	180	180	180	0	0	
WASTE SOLID PTSI	HAZ	PTSI	INCIN	15-Jun-01	0	517	517	517	0	0	

407,137

407,137

2001 HAZARDOUS WASTE REPORT WORKSHEET
Rev 18-Oct-01

QTY	WASTE DESCRIPTION	HAZ/ NON	PROCESS GEN WASTE	TSDF	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	TONS PER CATEGORY
22	WASTE DMF	HAZ	ACL	CLEAN HAR	INCIN	27-Jul-01	0	9,274	9,274	9,274	0	0	716	19,049
23	WASTE NON REGULATE	NON	Amide Chloride	CLEAN HAR		31-Aug-01	0	9,775	0				738	
8	WASTE LIQ BZOH	HAZ	BCF	CLEAN HAR	INCIN	27-Jul-01	0	3,257	3,257	3,257	0	0	712	8,430
11	WSTE FLAM LIQUID	HAZ	BCF	CLEAN HAR	INCIN	31-Aug-01	0	4,747	4,747	4,747	0	0	735	
1	WSTE FLAM LIQUID BCF	HAZ	BCF	CLEAN HAR		31-Aug-01	0	426	426				736	83,027
2	WASTE TOLUENE	HAZ	HEGCL	CLEAN HAR	INCIN	27-Jul-01	0	751	751	751	0	0	711	
3	WSTE FLAM LIQUIDMET	HAZ	HEGCL	CLEAN HAR	INCIN	31-Aug-01	0	1,141	1,141	1,141	0	0	736	
1	WASTE TOLUENE	HAZ	HEGCL	CLEAN HAR	INCIN	20-Sep-01	0	234	234	234	0	0	741	
21	WASTE FLAM LIQUID	HAZ	HEGCL	CLEAN HAR	INCIN	20-Sep-01	0	11,498	11,498	11,498	0	0	741	
6	WASTE DEA	HAZ	HEGCL	CLEAN HAR	INCIN	20-Sep-01	0	2,185	2,185	2,185	0	0	745	5,198
1	WASTE FLAM LIQUID	HAZ	HEGCL	CLEAN HAR	INCIN	28-Sep-01	6221	46,658					748	
1	WASTE LIQUID MCB, TOL	HAZ	HEGCL	CLEAN HAR	INCIN		0	20,560	20,560	0	0	0	722	
4	WASTE SOLID	HAZ	LAB	CLEAN HAR	INCIN	27-Jul-01	0	1,352	1,352	1,352	0	0	715	
1	WASTE FLAM LIQUID	HAZ	Lab	CLEAN HAR	INCIN	27-Jul-01	0	459	459	459	0	0	715	
5	WASTE SOLID	HAZ	Lab	CLEAN HAR	INCIN	27-Jul-01	0	851	851	851	0	0	716	
1	WASTE ACE/CHLORIDE	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	10	10	10	0	0	723	
1	WASTE FLAM LIQUID	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	41	41	41	0	0	723	
1	WASTE OXIDIAING LIQ	HAZ	Lab	CLEAN HAR	TREATED	9-Aug-01	0	6	6	0	0	0	723	
1	WASTE BCF	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	35	35	35	0	0	723	
1	WASTE FLAM LIQUID	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	16	16	16	0	0	723	
1	WASTE TOXIC LIQUID	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	11	11	11	0	0	723	
2	WASTE ALLYL ALCOHO	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	10	10	10	0	0	723	
1	WASTE CORROSIVE LIQ	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	22	22	22	0	0	723	
1	WASTE PHENOL SOL	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	14	14	14	0	0	723	
1	WASTE CORROSIVE SOL	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	8	8	8	0	0	723	192,175
1	WASTE SODIUM SULF	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	12	12	12	0	0	723	
1	WASTE FLAM LIQUID	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	6	6	6	0	0	723	
1	WASTE FLAM LIQUID	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	4	4	4	0	0	723	
1	WASTE CHLOROFORM	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	4	4	4	0	0	723	
1	WASTE FLAM LIQUID	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	7	7	7	0	0	723	
4	WASTE METHYL CF	HAZ	Lab	CLEAN HAR	INCIN	9-Aug-01	0	28	28	28	0	0	723	
1	WASTE METHYL CHLO	HAZ	Lab	CLEAN HAR	TREATED	9-Aug-01	0	4	4	0	0	0	723	
1	POTASSIUM HYDROX	NON	LAB	CLEAN HAR		9-Aug-01	0	14	0	14			724	
1	FLAM SOLID ORGANIC	NON	LAB	CLEAN HAR		9-Aug-01	0	12	0	12			724	
1	CORROSIVE SOLID ACID	NON	LAB	CLEAN HAR		9-Aug-01	0	6	0	6			724	
7	WASTE SOLID ACE MET	HAZ	LAB	CLEAN HAR	INCIN	31-Aug-01	0	1,533	1,533	1,533	0	0	733	
1	WASTE FLAM LIQUID	HAZ	LAB	CLEAN HAR	INCIN	20-Sep-01	0	287	287	287	0	0	740	
1	WASTE FLAM LIQUID	HAZ	LAB	CLEAN HAR	INCIN	20-Sep-01	0	446	446	446	0	0	746	
1	WASTE NON REGULATE	NON	PHCF	CLEAN HAR	INCIN	16-Aug-01	4773	43,788	0	4,773	0	0	726	
1	WASTE NON REGULATE	NON	PHCF	CLEAN HAR	INCIN	23-Aug-01	5200	47,705	0	5,200	0	0	727	
1	WASTE NON REGULATE	NON	PHCF	CLEAN HAR	INCIN	23-Aug-01	5116	46,934	0	5,116	0	0	728	
1	WASTE NON REGULATE	NON	PHCF	CLEAN HAR	INCIN	23-Aug-01	5516	50,604	0	5,516	0	0	729	
6	SOLID CONT LIQUIDS	NON	PHCF	CLEAN HAR		31-Aug-01	0	2,635	0	2,635	0	0	734	
1	NON REQ MATERIAL	NON	PHCF	CLEAN HAR		20-Sep-01	0	450	0				743	
1	SOLID CONT LIQUIDS	NON	PHCF	CLEAN HAR		20-Sep-01	0	60	0				744	

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QTY	WASTE DESCRIPTION	HAZ/ NON	PROCESS GEN WASTE	TSDF	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	TONS PER CATEGORY
2	HAZ WASTE SOLID	HAZ	Plant	CALGON CARB	TREATED	16-Jul-01	0	5,000	5,000	0	0	0	709	240,768
1	WASTE FLAM LIQUIDS	HAZ	plant	CLEAN HAR	INCIN	26-Jul-01	3100	23,250			0	0	710	
9	WASTE LIQ ACETONE	HAZ	Plant	CLEAN HAR	INCIN	27-Jul-01	0	3,192	3,192	3,192	0	0	711	
1	WASTE SOLID	HAZ	PLANT	CLEAN HAR	INCIN	27-Jul-01	0	327	327	327	0	0	712	
1	WASTE CORROSIVE SOL	NON	PLANT	CLEAN HAR	STORAGE	27-Jul-01	0	64	0				713	
5	WASTE CORROSIVE SOL	NON	PLANT	CLEAN HAR	STORAGE	27-Jul-01	0	3,111	0				713	
1	NON REGULATED MAT	NON	PLANT	CLEAN HAR	STORAGE	27-Jul-01	0	226	0				714	
1	NON REGULATED OIL	NON	Plant	CLEAN HAR	INCIN	27-Jul-01	0	410	0	0	0	0	717	
1	WASTE CAUSTIC LIQ	HAZ	Plant	CLEAN HAR	TREATED	27-Jul-01	0	497	497	0	0	0	718	
1	WASTE LIQUID	HAZ	Plant	CLEAN HAR	INCIN	27-Jul-01	0	402	402	402	0	0	718	
7	WASTE SOLID	HAZ	Plant	ENVIROTROL	RECYCLE	27-Jul-01	0	42,000	42,000	0	0	42000	720	
1	NON REGULATED MAT	NON	PLANT	CLEAN HAR	INCIN	30-Jul-01	2665	28,138			0	0	721	
1	WASTE NON REGULATE	NON	Plant	CLEAN HAR	INCIN	15-Aug-01	4464	40,953	0	4,464	0	0	725	
1	WASTE NON REGULATE	NON	PLANT	NOCO		24-Aug-01	0	8,000	0				730	
5	WASTE SOLID CLOR TOL	HAZ	PLANT	CLEAN HAR		31-Aug-01	0	2,590	2,590				732	
2	WASTE SOIL	NON	Plant	CLEAN HAR	INCIN	31-Aug-01	0	635	0	635	0	0	733	
1	WASTE NON REGULATE	NON	PLANT	CLEAN HAR		31-Aug-01	0	386	0	386	0	0	734	
1	WSTE FLAM LIQUID ACE	HAZ	PLANT	CLEAN HAR	INCIN	31-Aug-01	0	335	335	335	0	0	736	
8	WASTE NON REGULATE	NON	Plant	CLEAN HAR		31-Aug-01	0	2,662	0				737	
5	WASTE SOLID	HAZ	PLANT	ENVIROTROL	RECYCLE	12-Sep-01	0	30,000	30,000	0	0	30000	739	
6	WASTE SOLID ACE MET	HAZ	PLANT	CLEAN HAR	INCIN	20-Sep-01	0	1,793	1,793	1,793	0	0	741	
3	WASTE LIQ CHL/TOL	HAZ	PLANT	CLEAN HAR	INCIN	20-Sep-01	0	1,413	1,413	1,413	0	0	741	
1	NON REQ MATERIAL	NON	PLANT	CLEAN HAR		20-Sep-01	0	334	0	0	0	0	742	
5	NON REQ MATERIAL	NON	PLANT	CLEAN HAR		20-Sep-01	0	2,946	0	0	0	0	742	
6	NON REQ MATERIAL	NON	PLANT	CLEAN HAR		20-Sep-01	0	4,068	0				743	
1	NON REQ MATERIAL	NON	PLANT	CLEAN HAR		20-Sep-01	0	272	0				743	
2	NON REQ MATERIAL	NON	PLANT	CLEAN HAR		20-Sep-01	0	739	0				744	
3	WASTE ACETONE	HAZ	PLANT	CLEAN HAR	INCIN	20-Sep-01	0	1,025	1,025	1,025	0	0	745	
6	WASTE SOLID TOLUENE	HAZ	PLANT	ENVIROTROL	RECYCLE	25-Sep-01	0	36,000	36,000	0	0	36000	747	6,824
1	WSTE FLAM LIQUID POH	HAZ	PNBC	CLEAN HAR		31-Aug-00	0	25	25				736	
1	WASTE LIQ POH	HAZ	PNBC	CLEAN HAR	INCIN	27-Jul-01	0	314	314	314	0	0	711	
10	WASTE FLAM LIQUIDS	HAZ	PNBC	CLEAN HAR	INCIN	27-Jul-01	0	463	463	463	0	0	711	
1	NON REGULATED MAT	NON	PNBC	CLEAN HAR	STORAGE	27-Jul-01	0	469	0				713	
3	WSTE FLAM LIQUID	HAZ	PNBC	CLEAN HAR	INCIN	31-Aug-01	0	1,296	1,296	1,296	0	0	735	
10	WASTE POH	HAZ	PNBC	CLEAN HAR	INCIN	20-Sep-01	0	3,782	3,782	3,782	0	0	745	
1	WASTE FLAM LIQUID	HAZ	PNBC	CLEAN HAR	INCIN	20-Sep-01	0	475	475	475	0	0	746	
2	WASTE CHLOROBEN	HAZ	PTSI	CLEAN HAR	INCIN	27-Jul-01	0	1,018	1,018	1,018	0	0	712	
1	WASTE WATER REACTIVE	HAZ	PTSI	CLEAN HAR	INCIN	27-Jul-01	0	210	210	210	0	0	712	14,459
3	NON REGULATED MAT	NON	PTSI	CLEAN HAR	STORAGE	27-Jul-01	0	1,799	0				714	
1	WASTE FLAM LIQUID	HAZ	PTSI	CLEAN HAR	INCIN	27-Jul-01	0	408	408	408	0	0	715	
4	WASTE PTSI ACETONE	HAZ	PTSI	CLEAN HAR	INCIN	27-Jul-01	0	1,034	1,034	1,034	0	0	717	
4	WASTE FLAM LIQUID	HAZ	PTSI	CLEAN HAR	INCIN	27-Jul-01	0	1,782	1,782	1,782	0	0	719	
5	WASTE SOLID PTSI ACE	HAZ	PTSI	CLEAN HAR	INCIN	31-Aug-01	0	1,665	1,665	1,665	0	0	731	
1	WSTE FLAM LIQUID	HAZ	PTSI	CLEAN HAR	INCIN	31-Aug-01	0	459	459	459	0	0	735	
1	WSTE FLAM LIQUID	HAZ	PTSI	CLEAN HAR	INCIN	31-Aug-01	0	503	503	503	0	0	735	

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QTY	WASTE DESCRIPTION	HAZ/ NON	PROCESS GEN WASTE	TSDF	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	TONS PER CATEGORY
4	WASTE NON REGULATE	NON	PTSI	CLEAN HAR		31-Aug-01	0	2,204	0				737	569,930
3	NON REQ MATERIAL	NON	PTSI	CLEAN HAR		20-Sep-01	0	1,644	0				744	
1	WASTE CHLOROBENZ	HAZ	PTSI	CLEAN HAR	INCIN	20-Sep-01	0	575	575	575	0	0	745	
1	WASTE FLAM LIQUID	HAZ	PTSI	CLEAN HAR	INCIN	20-Sep-01	0	304	304	304	0	0	746	
2	WASTE FLAM LIQUID	HAZ	PTSI	CLEAN HAR	INCIN	20-Sep-01	0	854	854	854	0	0	746	
569,930														569,930

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WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
WASTE FLAM LIQUID	A	D001, D002		CLEAN HAR	CH147710	INCIN	20-Sep-01	0	287	287	287	0	0	740	CTF0829916	C HARBORS	0.34
WASTE LIQUID FLAM	A	D001, D021, F002	PTSI	CLEAN HAR	CH131275	INCIN	23-Feb-01	0	400	400	400	400	0	666	CTF0929756	C HARBORS	
WASTE FLAM LIQUIDS	A	D001, D021	PNBC	CLEAN HAR	CH124412	INCIN	2-Feb-01	0	977	977	977	977	0	665	IL8621467	C HARBORS	
WASTE FLAM LIQUIDS	A	D001, D021, F002	PTSI	CLEAN HAR	CH131275	INCIN	2-Feb-01	0	475	475	475	475	0	665	IL8621467	C HARBORS	0.73
WASTE DMF	A	D001	Amide Chloride	CLEAN HAR		INCIN	2-Feb-01	0	150	150	150		0	663	MAM692146	C HARBORS	
WASTE DMF	A	D001	ACL	CLEAN HAR	CH131343	INCIN	27-Jul-01	0	9,274	9,274	9,274	0	0	716	MAM890923	C HARBORS	
WASTE TOLUENE	A	F005, D001	hegcl	CLEAN HAR	CH183169B	INCIN	14-Mar-01		40,940	40,940	40,940	40,940	0	673	MDC0727121	C HARBORS	236.43
WASTE TOLUENE	A	F005, D001, D002	HEGCL	CLEAN HAR	CH183169B	INCIN	11-Apr-01	0	33,740	33,740	33,740	0	0	676	MDC0727122	C HARBORS	
WASTE TOLUENE	A	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	25-Apr-01	4361	31,533	31,533	31,533	0	0	677	MDC0727123	FRANKS VAC	
WASTE TOLUENE	A	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	11-May-01	2075	15,004	15,004	15,004	0	0	690	MDC0727125	C HARBORS	
WASTE TOLUENE	A	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	30-May-01	5000	36,154	36,154	36,154	0	0	695	MDC0727128	FRANKS VAC	
WASTE TOLUENE	A	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	22-Jun-01	5000	36,154	36,154	36,154			708	MDC0727129	C HARBORS	
WASTE FUEL OIL, MCB	A	D001, F002, D021	PTSI	CLEAN HAR	CH131275	INCIN	4-May-01	0	475	475	475	0	0	680	MDC0800675	C HARBORS	
WASTE FLAM LIQUID	A	F002, D001, D021	PTSI	CLEAN HAR	CH131275	INCIN	27-Jul-01	0	1,782	1,782	1,782	0	0	719	MDC0860270	C HARBORS	
WASTE LIQUID POH	A	D001	PNBC	CLEAN HAR	CH183013	INCIN	23-Feb-01	0	901	901	901	901	0	667	MDC0891562	C HARBORS	
WASTE CHLOROBEN	A	D001, D021		CLEAN HAR	CH154636	INCIN	27-Jul-01	0	1,018	1,018	1,018	0	0	712	MDC0891975	C HARBORS	
WASTE FLAM LIQUID	A	F002, D001, D021		CLEAN HAR	CH124??	INCIN	27-Jul-01	0	408	408	408	0	0	715	MDC0891976	C HARBORS	
WASTE TOLUENE	A	F005, D001	HEGCL	CLEAN HAR	CH183169	INCIN	27-Jul-01	0	751	751	751	0	0	711	MDC0891977	C HARBORS	
WASTE FLAM LIQUIDS	A	D001, D021		CLEAN HAR	CH154633	INCIN	27-Jul-01	0	463	463	463	0	0	711	MDC0891977	C HARBORS	
WASTE FLAM LIQUID	A	F005, D001		CLEAN HAR	CH183169	INCIN	9-Oct-01	0	4,350	4,350	4,350	0	0	749	MDC0892366	C HARBORS	
WASTE TOLUENE	A	F005, D001	HEGCL	CLEAN HAR	CH183169	INCIN	4-May-01	0	1,929	1,929	1,929	0	0	683	MDC0893658	C HARBORS	
WASTE FLAMABLE LIQ	A	D001, D021	PNBC	CLEAN HAR	CH124412	INCIN	4-May-01	0	935	935	935	0	0	683	MDC0893658	C HARBORS	
WASTE FUEL OIL, MCB	A	D001, F002, D021	PTSI	CLEAN HAR	CH131275	INCIN	4-May-01	0	493	493	493	0	0	681	MDC0893659	C HARBORS	
WASTE CHLORBENZE	A	D001, D021	PTSI	CLEAN HAR	CH156168	INCIN	4-May-01	0	932	932	932	0	0	681	MDC0893659	C HARBORS	
WASTE TOLUENE	A	F005, D001		CLEAN HAR	CH183169	INCIN	20-Sep-01	0	234	234	234	0	0	741	MDC0894881	C HARBORS	
WASTE FLAM LIQUID	A	F005, D001		CLEAN HAR	CH147734	INCIN	20-Sep-01	0	11,498	11,498	11,498	0	0	741	MDC0894881	C HARBORS	
WASTE LIQ CHL/TOL	A	F002, F005, D021		CLEAN HAR	CH183179	INCIN	20-Sep-01	0	1,413	1,413	1,413	0	0	741	MDC0894881	C HARBORS	
WASTE DEA	A	D001		CLEAN HAR	CH131343	INCIN	20-Sep-01	0	2,185	2,185	2,185	0	0	745	MDC0894882	C HARBORS	
WASTE CHLOROBENZ	A	D001, D021		CLEAN HAR	CH156168	INCIN	20-Sep-01	0	575	575	575	0	0	745	MDC0894882	C HARBORS	
WASTE POH	A	D001		CLEAN HAR	CH183013	INCIN	20-Sep-01	0	3,782	3,782	3,782	0	0	745	MDC0894882	C HARBORS	
WASTE FLAM LIQUID	A	F002, F003, F005, D001, D021, D022		CLEAN HAR	CH124269	INCIN	20-Sep-01	0	446	446	446	0	0	746	MDC0894883	C HARBORS	
WASTE FLAM LIQUID	A	F002, D001, D021		CLEAN HAR	CH124271	INCIN	20-Sep-01	0	304	304	304	0	0	746	MDC0894883	C HARBORS	
WASTE FLAM LIQUID	A	D001, D021		CLEAN HAR	CH124412	INCIN	20-Sep-01	0	475	475	475	0	0	746	MDC0894883	C HARBORS	
WASTE FLAM LIQUID	A	F002, D001, D021		CLEAN HAR	CH131275	INCIN	20-Sep-01	0	854	854	854	0	0	746	MDC0894883	C HARBORS	
WASTE FLAM LIQUID	A	F005, D001		CLEAN HAR	CH183189	INCIN	21-Nov-01	3560	26,700	26,700	26,700	0	0	765	MDC0896448	C HARBORS	
WASTE FLAM LIQUID	A	D001		CLEAN HAR	CH157622	INCIN	17-Oct-01	3975	39,119	39,119	39,119	0	0	753	MDC0896645	BUFFALO FUEL	
WASTE FLAM LIQUID	A	D001		CLEAN HAR	CH157821	INCIN	18-Oct-01	4268	42,002	42,002	42,002	0	0	754	MDC0896646	BUFFALO FUEL	
WASTE FLAM LIQUID	A	D001		CLEAN HAR	CH157821	INCIN	19-Oct-01	3394	33,401	33,401	33,401	0	0	755	MDC0896647	BUFFALO FUEL	
WASTE TOLUENE/CB	A	F005, D001, D021	HEGCL	CLEAN HAR	CH156194	INCIN	15-Jun-01	0	442	442	442	0	0	705	MDC0897595	C HARBORS	
WASTE POH	A	D001	PNBC	CLEAN HAR	CH183013	INCIN	15-Jun-01	0	804	804	804	0	0	705	MDC0897595	C HARBORS	
WASTE CHLOROBEN	A	D001, D021	PTSI	CLEAN HAR	CH156187	INCIN	15-Jun-01	0	469	469	469	0	0	706	MDC0897596	C HARBORS	
WASTE BENZYL /METH	A	F002, F003, F005, D001, D021, D022	BCF	CLEAN HAR	CH124269	INCIN	15-Jun-01	0	464	464	464	0	0	706	MDC0897596	C HARBORS	
WASTE MCB	A	D001, D021	PTSI	CLEAN HAR	CH124412	INCIN	15-Jun-01	0	425	425	425	0	0	706	MDC0897596	C HARBORS	
WASTE MCB	A	D001, D021		CLEAN HAR	CH124412	INCIN	30-Nov-01	0	1,013	1,013	1,013	0	0	772	MDC0902826	C HARBORS	
WASTE CB	A	D001, D021		CLEAN HAR	CH154636	INCIN	30-Nov-01	0	1,950	1,950	1,950	0	0	772	MDC0902826	C HARBORS	
WASTE CB	A	D001, D021		CLEAN HAR	CH156168	INCIN	30-Nov-01	0	430	430	430	0	0	772	MDC0902826	C HARBORS	
WASTE	A	D001,		CLEAN HAR	CH	INCIN	30-Nov-01	0	450	450	450	0	0	773	MDC0902832	C HARBORS	
WASTE POH	A	D001		CLEAN HAR	CH183013	INCIN	30-Nov-01	0	561	561	561	0	0	774	MDC0902833	C HARBORS	
WASTE TOLUENE	A	F005, D001		CLEAN HAR	CH183169	INCIN	30-Nov-01	0	1,630	1,630	1,630	0	0	774	MDC0902833	C HARBORS	
WASTE FLAM LIQUID	A	F005, D001		CLEAN HAR	CH183169	INCIN	28-Sep-01	6221	46,658	46,658	46,658			748	MDC0902940	C HARBORS	
WASTE FLAM LIQUID	A	F005, D001		CLEAN HAR	CH14592	INCIN	2-Nov-01	0	1,616	1,616	1,616	0	0	761	MDC0903452	C HARBORS	
WSTE FLAM LIQUID POH	A	D001	PNBC	CLEAN HAR		INCIN	31-Aug-00	0	25	25				736	MDC0903645	C HARBORS	
WSTE FLAM LIQUIDMET	A	F003, F005, D001		CLEAN HAR	CH187152	INCIN	31-Aug-01	0	1,141	1,141	1,141	0	0	736	MDC0903645	C HARBORS	
WSTE FLAM LIQUID	A	D001, D021		CLEAN HAR	CH124412	INCIN	31-Aug-01	0	1,296	1,296	1,296	0	0	735	MDC0903646	C HARBORS	
WSTE FLAM LIQUID	A	F002, D001, D021		CLEAN HAR	CH131275	INCIN	31-Aug-01	0	459	459	459	0	0	735	MDC0903646	C HARBORS	
WSTE FLAM LIQUID	A	D001		CLEAN HAR	CH154629	INCIN	31-Aug-01	0	4,747	4,747	4,747	0	0	735	MDC0903646	C HARBORS	
WSTE FLAM LIQUID	A	D001, D021		CLEAN HAR	CH156168	INCIN	31-Aug-01	0	503	503	503	0	0	735	MDC0903646	C HARBORS	
WASTE TOLUENE	A	F005, D001	HEGCL	CLEAN HAR	CH183169B	INCIN	6-Apr-01	0	36,836	36,836	36,836	0	0	675	MDC0903706	C HARBORS	
WASTE N-BUT ISOCY	A	D001, D003		CLEAN HAR	CH157803	INCIN	10-Oct-01	0	38	38	38	0	0	750	NYG2000772	C HARBORS	
WASTE SOLID MCB	A	F002, F005, D021		CLEAN HAR	CH131345	INCIN	2-Nov-01	0	891	891	891	0	0	760	NYG2001393	C HARBORS	
WASTE NITRILES	A			CLEAN HAR	CH158112	INCIN	30-Nov-01	0	573	573	573	0	0	767	NYG2001717	C HARBORS	
WASTE PNBC	A			CLEAN HAR	CH183168	INCIN	30-Nov-01	0	888	888	888	0	0	767	NYG2001717	C HARBORS	
WASTE NBI	A	D001, D002		CLEAN HAR	CH156167	INCIN	30-Nov-01	0	470	470	470	0	0	767	NYG2001717	C HARBORS	
WASTE CBZ/TOLUENE	A	F002, F005, D021		CLEAN HAR	CH183179	INCIN	30-Nov-01	0	2,167	2,167	2,167	0	0	765	NYG2001726	C HARBORS	
WASTE MCB/DEA	A	D001, D021	HEGCL	CLEAN HAR	CH147725	INCIN	4-May-01	0	854	854	854	0	0	689	NYG2633409	C HARBORS	
WASTE FLAMABLE LIQ	A	D001, F005		CLEAN HAR	CH183161	INCIN	4-May-01	0	294	294	294	0	0	688	NYG2633418	C HARBORS	
WASTE N-BUT	A	D001, D002	PNBC	CLEAN HAR	CH156167	INCIN	4-May-01	0	3,740	3,740	3,740	0	0	689	NYG2633418	C HARBORS	
WASTE CHLORBTUA	A	D001	BUCL	CLEAN HAR	CH156186	INCIN	15-Jun-01	0	2,104	2,104	2,104	0	0	699	NYG2634642	C HARBORS	
WASTE FLAMABLE LIQ	A	F003, D001	PCF	CLEAN HAR	CH183161	INCIN	15-Jun-01	0	2,107	2,107	2,107	0	0	699	NYG2634642	C HARBORS	

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WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
WASTE FLAMABLE LIQ	A	D001, D002	PNBC	CLEAN HAR	CH156167	INCIN	15-Jun-01	0	1,371	1,371	1,371	0	0	699	NYG2634642	C HARBORS	69.14
WASTE LIQUID	A	F002, F005, D021	Plant	CLEAN HAR	CH183179	INCIN	27-Jul-01	0	402	402	402	0	0	718	NYG2635272		
WASTE LIQUID MCB, TOL	A	F002, F005, D021		CLEAN HAR	CH183179B	INCIN		0	20,560	20,560	20,560	0	0	722	NYG3081015	C HARBORS	
WASTE TOLUENE	I	D001, F005		EI DUPONT	WTS3130	WWT	14-Dec-01	5000	41,700	41,700	0	41,700	0	778	NJA4087149	BUFFALO FUEL	
WASTE TOL/METHAN	I	D001, F003, F005		EI DUPONT	OW11243	WWT	18-Dec-01	6064	50,574	50,574	0	50,574	0	779	NJA4087177	BUFFALO FUEL	
WASTE TOL/METHAN	I	D001, F003, F005		EI DUPONT	OW11243	WWT	20-Dec-01	5516	46,003	46,003	0	46,003	0	781	NJA4087197	BUFFALO FUEL	138.38
WASTE TOL/METHAN	A	D001		EQ RESOURCE	J51201OTS	INCIN	12-Dec-01	5000	37,500	37,500	37,500	0	0	777	MI7612329	BUFFALO FUEL	
WASTE TOL/METHAN	A	D001, F003, F005		EQ RESOURCE	J51201	INCIN	19-Dec-01	5900	44,250	44,250	44,250	0	0	780	MI7612330	BUFFALO FUEL	
WASTE TOL/METHAN	A	D001, F003, F005		EQ RESOURCE	J51201	INCIN	28-Dec-01	5000	37,500	37,500	37,500	0	0	783	MI7612331	BUFFALO FUEL	
WASTE TOL/METHAN	A	D001, F003, F005		EQ RESOURCE	J51201	INCIN	31-Dec-01	5000	37,500	37,500	37,500	0	0	784	MI7612332	BUFFALO FUEL	
WASTE TOL/METHAN	A	D001, F003, F005		EQ RESOURCE	J51201	INCIN	21-Dec-01	6000	45,000	45,000	45,000	0	0	782	MI7612336	BUFFALO FUEL	6.67
WASTE TOLUENE	A	D001, F003, F005		EQ RESOURCE	J51201OTS	INCIN	5-Dec-01	5000	37,500	37,500	37,500	0	0	775	MI8170504	FRANKS VACUUM	
WASTE TOL/METHAN	A	D001, F003, F005		EQ RESOURCE	J51201OTS	INCIN	6-Dec-01	5000	37,500	37,500	37,500	0	0	776	MI8170505	FRANKS VACUUM	
WASTE FLAM LIQUID	A	F002, F003, F005, D001, D021, D022		SPRING GROVE	CH124269	INCIN	2-Nov-01	0	411	411	411	0	0	758	NYG2001402	C HARBORS	
WASTE FLAM LIQUID	A	D001, D021		SPRING GROVE	CH124412	INCIN	2-Nov-01	0	1,492	1,492	1,492	0	0	758	NYG2001402	C HARBORS	
WASTE FLAM LIQUID	A	F002, D001, D021		SPRING GROVE	CH131275	INCIN	2-Nov-01	0	908	908	908	0	0	758	NYG2001402	C HARBORS	1.49
WASTE FLAM LIQUID	A	D001		SPRING GROVE	CH154629	INCIN	2-Nov-01	0	1,826	1,826	1,826	0	0	758	NYG2001402	C HARBORS	
WASTE CB	A	D001, D021		SPRING GROVE	CH154636	INCIN	2-Nov-01	0	994	994	994	0	0	759	NYG2001411	C HARBORS	
WASTE PNBC	A	F003, D001		SPRING GROVE	CH183011	INCIN	2-Nov-01	0	656	656	656	0	0	759	NYG2001411	C HARBORS	
WASTE POH	A	D001		SPRING GROVE	CH183013	INCIN	2-Nov-01	0	2,715	2,715	2,715	0	0	759	NYG2001411	C HARBORS	
WASTE TOLUENE	A	F005, D021		SPRING GROVE	CH183169	INCIN	2-Nov-01	0	2,809	2,809	2,809	0	0	759	NYG2001411	C HARBORS	1.84
WASTE MET/TRIETH	A	F003, D001		SPRING GROVE	CH122220	INCIN	30-Nov-01	0	502	502	502	0	0	766	NYG2001735	C HARBORS	
WASTE NBI	A	D001, D002		SPRING GROVE	CH156167	INCIN	30-Nov-01	0	842	842	842	0	0	766	NYG2001735	C HARBORS	
WASTE CBZ/PCF	A	D021		SPRING GROVE	CH124257	INCIN	30-Nov-01	0	176	176	176	0	0	766	NYG2001735	C HARBORS	
WASTE SOLID CORR	D	D003	Amide Chloride	CLEAN HAR	CH183160	INCIN	23-Feb-01	0	2,750	2,750	2,750	2,750	0	666	CTF0929756	C HARBORS	
WASTE SOLID DIMETH	D	D003	AMIDE CHLORIDE	CLEAN HAR	CH169160	INCIN	15-Jun-01	0	223	223	223	0	0	698	CTF0998731	C HARBORS	0.12
WASTE LIQ BZOH	D	D001	BCF	CLEAN HAR	CH154629	INCIN	27-Jul-01	0	3,257	3,257	3,257	0	0	712	MDC0891975	C HARBORS	
WSTE FLAM LIQUID BCF	D	F003, D001, D021, D022, F002, F005	BCF	CLEAN HAR	CH124269	INCIN	31-Aug-01	0	426	426	426	0	0	736	MDC0903645	C HARBORS	
WASTE ACE/CHLORIDE	E	U006	Lab	CLEAN HAR	JEN-001	INCIN	9-Aug-01	0	10	10	10	0	0	723	IL9259235	C HARBORS	
WASTE FLAM LIQUID	E	D001, D002	Lab	CLEAN HAR	JEN-002	INCIN	9-Aug-01	0	41	41	41	0	0	723	IL9259235	C HARBORS	
WASTE OXIDIAING LIQ	E	D001, D002, D008	Lab	CLEAN HAR	JEN-005	TREATED	9-Aug-01	0	6	6	0	6	0	723	IL9259235	C HARBORS	5.23
WASTE BCF	E	D003, D002	Lab	CLEAN HAR	JEN-007	INCIN	9-Aug-01	0	35	35	35	0	0	723	IL9259235	C HARBORS	
WASTE FLAM LIQUID	E	D002, D001	Lab	CLEAN HAR	JEN-008	INCIN	9-Aug-01	0	16	16	16	0	0	723	IL9259235	C HARBORS	
WASTE TOXIC LIQUID	E	F002, D002	Lab	CLEAN HAR	JEN-009	INCIN	9-Aug-01	0	11	11	11	0	0	723	IL9259235	C HARBORS	
WASTE ALLYL ALCOHO	E	P005, D001	Lab	CLEAN HAR	JEN-010-015	INCIN	9-Aug-01	0	10	10	10	0	0	723	IL9259235	C HARBORS	
WASTE CORROSIVE LIQ	E	D002, D001	Lab	CLEAN HAR	JEN-011	INCIN	9-Aug-01	0	22	22	22	0	0	723	IL9259235	C HARBORS	0.26
WASTE PHENOL SOL	E	U188	Lab	CLEAN HAR	JEN-012	INCIN	9-Aug-01	0	14	14	14	0	0	723	IL9259235	C HARBORS	
WASTE CORROSIVE SOL	E	D003, D001	Lab	CLEAN HAR	JEN-013	INCIN	9-Aug-01	0	8	8	8	0	0	723	IL9259235	C HARBORS	
WASTE SODIUM SULF	E	D003	Lab	CLEAN HAR	JEN-014	INCIN	9-Aug-01	0	12	12	12	0	0	723	IL9259235	C HARBORS	
WASTE FLAM LIQUID	E	P022, D001	Lab	CLEAN HAR	JEN-016	INCIN	9-Aug-01	0	6	6	6	0	0	723	IL9259235	C HARBORS	
WASTE FLAM LIQUID	E	U079	Lab	CLEAN HAR	JEN-017	INCIN	9-Aug-01	0	4	4	4	0	0	723	IL9259235	C HARBORS	0.63
WASTE CHLOROFORM	E	D002, D001	Lab	CLEAN HAR	JEN-017	INCIN	9-Aug-01	0	4	4	4	0	0	723	IL9259235	C HARBORS	
WASTE FLAM LIQUID	E	D001, D002	Lab	CLEAN HAR	JEN-019	INCIN	9-Aug-01	0	7	7	7	0	0	723	IL9259235	C HARBORS	
WASTE METHYL CF	E	U156, D002	Lab	CLEAN HAR	JEN-020-023	INCIN	9-Aug-01	0	28	28	28	0	0	723	IL9259235	C HARBORS	
WASTE METHYL CHLO	E	D001	Lab	CLEAN HAR	JEN-024	TREATED	9-Aug-01	0	4	4	0	4	0	723	IL9259235	C HARBORS	
TOXIC LIQUID PhCF	F		PHCF	CLEAN HAR	CH183164	INCIN	23-Feb-01	0	10,100	10,100	10,100	10,100	0	669	NYG2632554	C HARBORS	2.79
WASTE SOLID PCF	F		PNBC	CLEAN HAR	CH183164	INCIN	16-May-01	0	354	354	354	0	0	692	NYG2633653	C HARBORS	
WASTE SOLID PTSI	F	F002, F003, F005, D021	PTSI	CLEAN HAR	CH183171	INCIN	15-Jun-01	0	517	517	517	0	0	698	CTF0998731	C HARBORS	
WASTE SOLID CLOR TOL	F	F002, F005, D021		CLEAN HAR	CH183279	incin	31-Aug-01	0	2,590	2,590	2,590	0	0	732	NYG2000592	C HARBORS	
WASTE SOLID PTSI	F	F002, F003, F005, D021, D022		SPRING GROVE	CH183171	INCIN	2-Nov-01	0	2,990	2,990	2,990	0	0	762	NYG2001429	C HARBORS	
WASTE FLAM LIQUIDS	G	F002, F003, D001, D021, D022	Lab	CLEAN HAR	CH124269	INCIN	2-Feb-01	0	447	447	447	447	0	665	IL8621467	C HARBORS	1.10
WASTE FLAM LIQUIDS	G	D001, D002	Pilot Lab	CLEAN HAR	CH147710	INCIN	23-Feb-01	0	800	800	800	800	0	669	NYG2632556	C HARBORS	
WASTE FLAMABLE LIQ	G	D001, D001	Lab	CLEAN HAR	CH183173	INCIN	4-May-01	0	1,135	1,135	1,135	0	0	682	MDC0893660	C HARBORS	
WASTE TETR/HCL	G	D001, D002	LAB	CLEAN HAR	CH147710	INCIN	4-May-01	0	356	356	356	0	0	689	NYG2633418	C HARBORS	
WASTE PROPANOL/ME	G	F002, D001	LAB	CLEAN HAR	CH183173	INCIN	15-Jun-01	0	610	610	610	0	0	705	MDC0897595	C HARBORS	
WASTE FLAM LIQUID	G	F002, F003, F005, D001, D021, D022	Lab	CLEAN HAR	CH124269	INCIN	27-Jul-01	0	459	459	459	0	0	715	MDC0891976	C HARBORS	0.13
WASTE DIOXANE	G	U108, D001		CLEAN HAR	CH147739	INCIN	10-Oct-01	0	98	98	98	0	0	750	NYG2000772	C HARBORS	
HAZ WASTE SOLID	H	F002, F003, F005, D021, D022	Lab	CLEAN HAR	CH124262	INCIN	2-Feb-01	0	258	258	258	258	0	665	IL8621467	C HARBORS	
WASTE SOLID ACE/MET	H	F002, F003, F005, D021, D002	LAB	CLEAN HAR	CH124262	INCIN	15-Jun-01	0	1,861	1,861	1,861	0	0	699	NYG2634642	C HARBORS	
WASTE SOLID	H	F002, F003, F005, D021, D022	Lab	CLEAN HAR	CH124262	INCIN	27-Jul-01	0	851	851	851	0	0	716	MAM890923	C HARBORS	
WASTE MCB SOLID	J	F002, D021	PTSI	CLEAN HAR	CH131345	INCIN	23-Feb-01	0	450	450	450	450	0	668	NYG2632563	C HARBORS	1.41
WASTE SOLID PHENOL	J	U188	PHCF	CLEAN HAR	CH183012	INCIN	23-Feb-01	0	450	450	450	450	0	668	NYG2632563	C HARBORS	
WASTE SOLID ACE/MET	J	F002, F003, F005, D021, D022	Plant	CLEAN HAR	CH124262	INCIN	23-Feb-01	0	1,600	1,600	1,600	1,600	0	669	NYG2632557	C HARBORS	
WASTE SOLID	J	F002, F003, F005, D021	Plant	CLEAN HAR	CH183171	INCIN	4-May-01	0	2,155	2,155	2,155	0	0	684	CTF0950717	C HARBORS	
WASTE	J		Plant	CLEAN HAR	CH124264	INCIN	4-May-01	0	721	721	721	0	0	684	CTF0950717	C HARBORS	
WASTE SOLID MCB	J	F002, F005, D021	PTSI	CLEAN HAR	CH131345	INCIN	4-May-01	0	180	180	180	0	0	688	NYG2633418	C HARBORS	1.25
WASTE SOLID PHENOL	J	U188	PHCF	CLEAN HAR	CH183012	INCIN	4-May-01	0	35	35	35	0	0	688	NYG2633418	C HARBORS	
WASTE SOLID	J	F005		CLEAN HAR	CH154630	INCIN	27-Jul-01	0	327	327	327	0	0	712	MDC0891975	C HARBORS	
WASTE WATER REACTIVE	J	D003, D021	PTSI	CLEAN HAR	CH156193	INCIN	27-Jul-01	0	210	210	210	0	0	712	MDC0891975	C HARBORS	

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WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
WASTE SOLID	J	NONE		CLEAN HAR	CH183165	INCIN	27-Jul-01	0	1,352	1,352	1,352	0	0	715	MDC0891976	C HARBORS	
WASTE SOLID PCF	J	D021		SPRING GROVE	CH124257	INCIN	2-Nov-01	0	112	112	112	0	0	762	NYG2001429	C HARBORS	
WASTE BUTYRIC/POH	J	D001,D002		CLEAN HAR	CH156189	INCIN	30-Nov-01	0	608	608	608	0	0	773	MDC0902832	C HARBORS	
WASTE SOLIDS	K	F002, F005	Plant	CALGON CARB	CAN2543R	RECYCL	27-Apr-01	0	4,000	4,000	0	0	4000	678	PAX9549831	CALGON CARB	14.75
WASTE SOLIDS	K	F002	HEGCL	CALGON CARB	CAN2542R	RECYCL	27-Apr-01	0	7,500	7,500	0	0	7500	678	PAX9549831	CALGON CARB	
WASTE SOLID	K	F002	PLANT	CALGON CARB	CAN2542R	RECYCL	14-May-01	0	5,000	5,000	0	0	5000	691	NYB5565141	HAZMAT	
WASTE SOLID	K	F005	PLANT	CALGON CARB	CAN2543R	RECYCL	14-May-01	0	8,000	8,000	0	0	8000	691	NYB5565141	HAZMAT	
WASTE SOLID TOLUENE	k	F002, F005		ENVIROTROL		RECYCLE	25-Sep-01	0	36,000	36,000	36000	0	0	747	PAX9549794	C HARBORS	18.00
WASTE SOLID	K	F002, F005	Plant	ENVIROTROL		RECYCLE	27-Jul-01	0	42,000	42,000	0	0	42000	720	PAG311692	BUFFALO FUEL	43.90
WASTE SOLID	K	F002, F005,		ENVIROTROL		RECYCLE	12-Sep-01	0	30,000	30,000	0	0	30000	739	PA9549805	AUTUMN IND	
WASTE SOLID	K	F002, F005		ENVIROTROL	vanchernnyww	RECYCLE	12-Oct-01	0	12,000	12,000	0	0	12000	751	PAX9549772	AUTUMN IND	
WASTE SOLID	K	F002, F005		ENVIROTROL	vanchernnyww		25-Oct-01	0	3,800	3,800	0	0	3800	756	PAX9549761	AUTUMN	
WASTE SOLID	K	F002		CALGON CAR	CAN2542	RECYCLE	31-Oct-01		5,000	5,000	0	0	5000	757	PAX9549750	HAZMAT	
WASTE HCL	L	D002		CLEAN HAR	CH158111	INCIN	30-Nov-01	0	745	745	745	0	0	768	CTF0825194	C HARBORS	0.37
WASTE PTSI/ACET	M	F002, F003, F005, D021, D022		CLEAN HAR	CH183171	INCIN	30-Nov-01	0	1,734	1,734	1,734	0	0	768	CTF0825194	C HARBORS	2.22
WASTE PTSI ACETONE	M	F002, F003, F005, D021	PTSI	CLEAN HAR	CH183171	INCIN	27-Jul-01	0	1,034	1,034	1,034	0	0	717	CTF0975457	C HARBORS	
WASTE SOLID PTSI ACE	M	F002, F003, F005, D021	PTSI	CLEAN HAR	CH183171	INCIN	31-Aug-01	0	1,665	1,665	1,665	0	0	731	CTF0999168	C HARBORS	
WASTE SOLID ACE MET	M	F002, F003, F005, D021, D022		CLEAN HAR	CH124262	INCIN	31-Aug-01	0	1,533	1,533	1,533	0	0	733	IL9351544	C HARBORS	0.77
WASTE ACETONE	M	F003, D001	PNBC	CLEAN HAR	CH147750	INCIN	15-Jun-01	0	1,789	1,789	1,789	0	0	703	MAQ031369	C HARBORS	0.89
WASTE LIQUID PNBC ACETONE	M	F003, D001	PNBC	CLEAN HAR	CH183011	INCIN	23-Feb-01		2,412	2,412	2,412	2,412	0	667	MDC0891562	C HARBORS	11.25
WASTE LIQ ACETONE	M	F002, F003, F005, D001	Plant	CLEAN HAR	CH183167	INCIN	27-Jul-01	0	3,192	3,192	3,192	0	0	711	MDC0891977	C HARBORS	
WASTE ACETONE	M	D001,	?	CLEAN HAR	CH156169	INCIN	4-May-01	0	463	463	463	0	0	683	MDC0893658	C HARBORS	
WASTE ACETONE	M	F002, F003, F005, D001	Plant	CLEAN HAR	CH183167	INCIN	4-May-01	0	3,661	3,661	3,661	0	0	681	MDC0893659	C HARBORS	
WASTE LIQUID	M	F002, F003, F005, D001	Plant	CLEAN HAR	CH183167	INCIN	4-May-01	0	822	822	822	0	0	682	MDC0893660	C HARBORS	
WASTE FLAMABLE LIQ	M	F002, F005, D021	Plant	CLEAN HAR	CH183179	INCIN	4-May-01	0	419	419	419	0	0	682	MDC0893660	C HARBORS	
WASTE SOLID ACE MET	M	F002, F003, F005, D021, D022		CLEAN HAR	CH124262	INCIN	20-Sep-01	0	1,793	1,793	1,793	0	0	741	MDC0894881	C HARBORS	
WASTE ACETONE	M	F002, F003, F005, D001		CLEAN HAR	CH183167	INCIN	20-Sep-01	0	1,025	1,025	1,025	0	0	745	MDC0894882	C HARBORS	
WASTE BUTYRIC POH	M	D001, D002	BUCL	CLEAN HAR	CH156189	INCIN	15-Jun-01	0	5,895	5,895	5,895	0	0	704	MDC0897594	C HARBORS	
WASTE ACETONE	M	F002, F003, F005, D001	PLANT	CLEAN HAR	CH183167	INCIN	15-Jun-01	0	698	698	698	0	0	705	MDC0897595	C HARBORS	
WASTE LIQUID BCF, MCL	M	F002, F003, F005, D001, D021, D022	BCF	CLEAN HAR	CH124269	INCIN	4-Apr-01	0	325	325	325	0	0	674	MDC0901969	C HARBORS	
WASTE ACETONE	M	F002, F003, F005, D001		CLEAN HAR	CH183167	INCIN	30-Nov-01	0	1,459	1,459	1,459	0	0	774	MDC0902833	C HARBORS	
WSTE FLAM LIQUID ACE	M	F002, F003, F005, D001		CLEAN HAR	CH183167	INCIN	31-Aug-01	0	335	335	335	0	0	736	MDC0903645	C HARBORS	
WASTE SOLID ACE/M	M	F002, F003, F005, D021, D022		CLEAN HAR	CH124262	INCIN	2-Nov-01	0	2,672	2,672	2,672	0	0	760	NYG2001393	C HARBORS	17.87
WASTE ACE/METH	M	F002, F003, F005, D021, D022		CLEAN HAR	CH12	INCIN	30-Nov-01	0	463	463	463	0	0	767	NYG2001717	C HARBORS	
WASTE ACETONE	M	F003, D001,		SPRING GROVE	CH147750	INCIN	30-Nov-01	0	720	720	720	0	0	766	NYG2001735	C HARBORS	
WASTE LIQUID PhCF ACETONE	M	F003, D001	PHCF	CLEAN HAR	CH183161	INCIN	23-Feb-01	0	350	350	350	350	0	669	NYG2632555	C HARBORS	
WASTE SOLID PTSI ACETONE	M	F002, F003, F005, D003, D021	PTSI	CLEAN HAR	CH183171	INCIN	23-Feb-01	0	350	350	350	350	0	668	NYG2632563	C HARBORS	
WASTE ACE/METH	M	F002, F003, D021, D022		CLEAN HAR	CH124262	INCIN	4-May-01	0	806	806	806	0	0	689	NYG2633418	C HARBORS	
WASTE DIMETHY/BUT	M	D001	BUCL	CLEAN HAR	WTS1294	INCIN	21-Jun-01	0	30,380	30,380	30,380	0	0	707	NYG2975643	C HARBORS	
WASTE CAUSTIC LIQUID	P	D002	Plant	CLEAN HAR		TREATED	24-Jan-01	0	512	512	512	0	512	661	CTF0964019	C HARBORS	0.26
WASTE CAUSTIC LIQ	P	D002, D005	Plant	CLEAN HAR	CH183156	TREATED	27-Jul-01	0	497	497	0	497	0	718	NYG2635272		0.25
									604.41	604.41	476.35	101.22	58.91				

		TOTAL	site 1	site 2	site 3	site 4	site 5	site 6	site 7	site 8
MISC. SOLVENT WASTE	A	405.49	0.34	0.73	4.71	236.43	18.23	138.38	6.67	
WASTE OIL	B	0.00								
WASTE DEA	C	0.00								
PLANT OUT OF SPEC	D	3.33	1.49	1.84						
LAB PACS	E	0.12	0.12							
PROCESS RESIDUE	F	8.28	5.23	0.26	2.79					
LAB LIQUID	G	1.95	0.22	0.63	1.10					
LAB SOLID	H	1.49	0.13	0.93	0.43					
WASTEWATER	I	69.14	69.14							
SPILLS / CLEANUP	J	4.10	1.41	1.44	1.25					
CARBON	K	76.65	14.75	61.90						
MISC CORROSIVE	L	0.37	0.37							
PROCESS CLEANOUT	M	33.00	2.22	0.77	0.89	11.25	17.87			
WASTE PAINT	N	0.00								
TANK CLEANOUT	O	0.00								
WW NEUT. / NAOH	P	0.50	0.26	0.25						
FILTERS	Q	0.00								
TOTAL		604.41								

2002 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	7-Jan-02	5,960	44,700	44,700	44,700	0	0	785	MI761233	BUFF FUEL	
1	NON REG LAMPS	NON			ADVANCED ENV	10826JF		8-Jan-02	0	2	0	0	0	0	786	PAD987367216	SAFETY KLN	
1	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	8-Jan-02	4,901	49,014	49,014		49,014	0	787	NJA4087198	BUFF FUEL	
1	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	9-Jan-02	6,000	45,000	45,000	45,000	0	0	788	MI7612334	BUFF FUEL	
1	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	10-Jan-02	6,000	50,040	50,040		50,040	0	789	NJA4087199	BUFF FUEL	
1	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	14-Jan-02	5,960	44,700	44,700	44,700	0	0	790	MI7612335	BUFF FUEL	
7	SOLID CARBON UNITS	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	14-Jan-02	0	35,000	35,000	0	0	35,000	791	PAG312152	AUTUMN IND	
1	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	15-Jan-02	5,200	43,368	43,368		43,368	0	792	NJA4087200	BUFF FUEL	
1	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	16-Jan-02	6,000	45,000	45,000	45,000	0	0	793	MI7612337	BUFF FUEL	
3	WASTE DIOXANE	HAZ	U108, D001	Pilot Lab	C HARBOR	CH117739	INCIN	18-Jan-02	0	1,097	1,097	1,097	0	0	794	MDC0895592	C. HARBORS	
3	WASTE MCB	HAZ	D001, D021	PTSI	C HARBOR	CH154636	INCIN	18-Jan-02	0	1,500	1,500	1,500	0	0	794	MDC0895592	C. HARBORS	
2	WASTE BUT/ POH	HAZ	D001, D002	BUCL	C HARBOR	CH156189	INCIN	18-Jan-02	0	835	835	835	0	0	794	MDC0895592	C. HARBORS	
9	WASTE POH	HAZ	D001	PNBC	C HARBOR	CH183013	INCIN	18-Jan-02	0	3,634	3,634	3,634	0	0	794	MDC0895592	C. HARBORS	
1	WASTE BCF METH	HAZ	F002, F003, F005, D001, D021, D022	BCF	C HARBOR	CH124265	INCIN	18-Jan-02	0	399	399	399	0	0	795	MDC0895593	C. HARBORS	
3	WASTE MCB	HAZ	D001, D021	PTSI	C HARBOR	CH124412	INCIN	18-Jan-02	0	1,334	1,334	1,334	0	0	795	MDC0895593	C. HARBORS	
2	WASTE MCB / FUEL																	
2	OIL	HAZ	F002, D001, D021	PTSI	C HARBOR	CH131275	INCIN	18-Jan-02	0	1,100	1,100	1,100	0	0	795	MDC0895593	C. HARBORS	
24	WASTE N NDIMETHYL	HAZ	D001	ACL	C HARBOR	CH131343	INCIN	18-Jan-02	0	10,161	10,161	10,161	0	0	795	MDC0895593	C. HARBORS	
2	WASTE NITRILES	HAZ			C HARBOR	CH156112	INCIN	18-Jan-02	0	121	121	121	0	0	796	MDC0895594	C. HARBORS	
2	WASTE PNBC	HAZ		PNBC	C HARBOR	CH183168	INCIN	18-Jan-02	0	900	900	900	0	0	796	MDC0895594	C. HARBORS	
1	WASTE MCB DEA	HAZ	D001, D021	PNBC	C HARBOR	CH147725	INCIN	18-Jan-02	0	199	199	199	0	0	796	MDC0895594	C. HARBORS	
1	WASTE CAUSTIC	HAZ	D002, D003	Plant	C HARBOR	CH183158	INCIN	18-Jan-02	0	500	500	500	0	0	797	MDC0895591	C. HARBORS	
2	WASTE TMTC/TOL	HAZ	F005, D002, D003	TMTC	C HARBOR	CH158110	INCIN	18-Jan-02	0	1,103	1,103	1,103	0	0	797	MDC0895591	C. HARBORS	
5	WASTE TMTC/TOL	HAZ	F005, D002, D003	TMTC	C HARBOR	CH158113	INCIN	18-Jan-02	0	2,990	2,990	2,990	0	0	797	MDC0895591	C. HARBORS	
10	WASTE TMTC/TOL	HAZ	F005, D002, D003	TMTC	C HARBOR	CH158118	INCIN	18-Jan-02	0	4,392	4,392	4,392	0	0	797	MDC0895591	C. HARBORS	
4	WASTE ACETONE	HAZ	F002, F003, F005, D001	Plant	C HARBOR	CH183167	INCIN	18-Jan-02	0	1,129	1,129	1,129	0	0	798	MDC0895590	C. HARBORS	
4	WASTE ACE/METH	HAZ	F002, F003, F005, D021, D022	FC102	C HARBOR	CH124262	INCIN	18-Jan-02	0	829	829	829	0	0	798	MDC0895590	C. HARBORS	
5	WASTE PTSI	HAZ	F002, F003, F005, D021	PTSI	C HARBOR	CH183171	INCIN	18-Jan-02	0	2,807	2,807	2,807	0	0	799	MDC0895589	C. HARBORS	
5	NOT REG TAR	NON			C HARBOR	CH124261	STORAGE	18-Jan-02	0	2,905	2,905	0	0		800	MAD03932225	C. HARBORS	
1	NON REG MATERIAL	NON			C HARBOR	CH158116	STORAGE	18-Jan-02	0	504	504	0	0	0	800	MAD03932226	C. HARBORS	
3	NON REG MATERIAL	NON			C HARBOR	CH158120	STORAGE	18-Jan-02	0	828	828	0	0	0	800	MAD03932227	C. HARBORS	
4	WASTE CARBON UNIT	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	22-Jan-02	0	22,000	22,000	0	0	22,000	801	PAG312141	AUTUMN IND	
4	WASTE CARBON UNIT	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	24-Jan-02	0	28,980	28,980	0	0	28,980	802	PAG312151	AUTUMN IND	
6	NON REG TAR	NON		PTSI	C HARBORS	CH124261	STORAGE	24-Jan-02	0	3,241	0	0	0	0	803	MAD03932225	C. HARBORS	
1	NON REG MATERIAL	NON	(Hydraulic Fluid/Speedy-Dry)	Plant spill	C HARBORS	CH157113	STORAGE	24-Jan-02	0	421	0	0	0	0	803	MAD03932225	C. HARBORS	
4	NON REG MATERIAL	NON	(Sodium Bicarb.)	Plant	C HARBORS	CH157110	STORAGE	24-Jan-02	0	1,489	0	0	0	0	803	MAD03932225	C. HARBORS	
1	TOXIC LIQUID PNBC	NON		PNBC	C HARBORS	CH147741	STORAGE	24-Jan-02	0	162	0	0	0	0	803	MAD03932225	C. HARBORS	
3	WASTE ACE/METH	HAZ	F002, F003, F005, D021, D022	FC102	C HARBORS	CH124262	INCIN	24-Jan-02	0	938	938	938	0	0	804	MDC0895645	C. HARBORS	
2	WASTE PTSA/ACE	HAZ	F002, F005, D021	PTSI	C HARBORS	CH131345	INCIN	24-Jan-02	0	765	765	765	0	0	804	MDC0895645	C. HARBORS	
1	WASTE BCF/METH CL	HAZ	D001, F003, F005, D021	BCF	C HARBORS	CH183171	INCIN	24-Jan-02	0	311	311	311	0	0	804	MDC0895645	C. HARBORS	
2	WASTE TOLUENE	HAZ	F005, D001	HEGCL	C HARBORS	CH157112	INCIN	24-Jan-02	0	928	928	928	0	0	805	MDC0895646	C. HARBORS	
1	WASTE FUEL OIL/MCB	HAZ	F002, D001, D021	PTSI	C HARBORS	CH131275	INCIN	24-Jan-02	0	478	478	478	0	0	805	MDC0895646	C. HARBORS	
29	WASTE DEA	HAZ	D001	HEGCL	C HARBORS	CH131343	INCIN	24-Jan-02	0	11,346	11,346	11,346	0	0	805	MDC0895646	C. HARBORS	

2002 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
3	WASTE ACETONE	HAZ	F002, F003, F005, D001	Plant	C HARBORS	CH183167	INCIN	24-Jan-02	0	845	845	845	0	0	805	MDC0895646	C. HARBORS	
1	WASTE TOL/METH	HAZ	D001	FC102	EQ RESOURC	J51201	INCIN	30-Jan-02	5,800	43,500	43,500	43,500	0	0	806	MI7612338	C. HARBORS	
1	WASTE SOLID	HAZ	F002	HEGCL	CALGON	CAN2542R	RECYC	30-Jan-02	0	2,000	2,000	0	0	2,000	807	PAG312142	HAZMAT	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	VWT	5-Feb-02	5,888	49,106	49,106		49,106	0	808	NJA4087201	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001	FC102	EQ RESOURC	J51201	INCIN	6-Feb-02	6,000	45,000	45,000	45,000	0	0	809	MI7612339	BUFF FUEL	
1	WASTE ETHANOL/MET	HAZ	D001, F003	FC102	NORLITE	0209-01	INCIN	15-Feb-02	6,002	45,015	45,015	45,015	0	0	810	NYG3204351	BUFF FUEL	
1	WASTE CARBON UNIT	HAZ	F002, F005	Plant	ENVIROTROL		RECYC	27-Feb-02	0	7,140	7,140	0	0	7,140	811	PAG312143	AUTUMN IND	
1	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	0209-01	INCIN	27-Feb-02	6,000	45,000	45,000	45,000	0	0	812	NYG3204378	BUFF FUEL	
1	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	0209-01	INCIN	6-Mar-02	5,960	44,700	44,700	44,700	0	0	813	NYG3204387	BUFF FUEL	
2	WASTE HYD CL ANHY	HAZ	D002	Lecture Bottles	SAFETY KL	00762-304C	TREATED	6-Mar-02	0	10	10	0	10	0	814	NYG3318696	FREEHOLD	
1	WASTE DEA ANHY	HAZ	D001	Lecture Bottles	SAFETY KL	33762-156C	TREATED	6-Mar-02	0	5	5	0	5	0	814	NYG3318696	FREEHOLD	
2	WASTE CHLORINE	HAZ	D002	Lecture Bottles	SAFETY KL	00762-068C	TREATED	6-Mar-02	0	10	10	0	10	0	814	NYG3318696	FREEHOLD	
1	WASTE CYANOGEN	HAZ	D001	Lecture Bottles	SAFETY KL	00762-104C	TREATED	6-Mar-02	0	5	5	0	5	0	814	NYG3318696	FREEHOLD	
1	WASTE METH ANHY	HAZ	D001	Lecture Bottles	SAFETY KL	00762-335C	TREATED	6-Mar-02	0	5	5	0	5	0	815	NYG3318705	FREEHOLD	
1	AMMONIA ANHY	NON		Lecture Bottles	SAFETY KL	00762-013C	TREATED	6-Mar-02	0	5	0	0	5	0	816	NJD054123164	FREEHOLD	
5	COMPRESSED GAS	NON		Lecture Bottles	SAFETY KL	00762-SAMP		6-Mar-02	0	25	0	0			817		FREEHOLD	
1	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	0209-01	INCIN	13-Mar-02	6,000	45,000	45,000	45,000	0	0	818	NYG3204396	BUFF FUEL	
2	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,	HEGCL	NORLITE	0049-02	INCIN	15-Mar-02	0	931	931	931	0	0	819	NYG3318606	UNITED IND	
43	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,	HEGCL	NORLITE	0045-02	INCIN	15-Mar-02	0	17,203	17,203	17,203	0	0	819	NYG3318606	UNITED IND	
1	WASTE OIL	NON	Maint. Dept.	Plant	NORLITE	SAN215982	LANDFILL	15-Mar-02	0	400	0	0	0	0	820	CTD021816889	UNITED IND	
5	NON HAZARDOUS	NON		CBC Carbon	BRIDGEPORT	0927DN4	STORAGE	15-Mar-02	0	1,526	0	0	0	0	821	CTF0563837	UNITED IND	
14	NON HAZARDOUS	NON		PTSI	BRIDGEPORT	0928DN4	STORAGE	15-Mar-02	0	7,604	0	0	0	0	821	CTF0563837	UNITED IND	
1	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	0209-01	INCIN	15-Mar-02	4,321	32,408	32,408	32,408	0	0	822	NYG3204405	BUFF FUEL	
3	SOLID CARBON UNITS	HAZ	F002, F005	Effluent Filters	ENVIROTROL		RECYC	21-Mar-02	0	22,500	22,500	0	0	22,500	823	PAG312144	AUTUMN IND	
15	WASTE HAZ SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	WMDS1378178	INCIN	27-Mar-02	0	5,809	5,809	5,809	0	0	824	AR1294906	FREEHOLD	
4	WASTE TMTC	HAZ	D003, F005	TMTC	ENSCO	WMDS1393020	INCIN	27-Mar-02	0	2,665	2,665	2,665	0	0	824	AR1294906	FREEHOLD	
1	WASTE BUCL	HAZ	D001, D002, D003	BUCL	ENSCO	WMDS1393021	INCIN	27-Mar-02	0	121	121	121	0	0	824	AR1294906	FREEHOLD	
11	WASTE CAUSTIC	HAZ	D002		ENSCO	WMDS1393023	INCIN	27-Mar-02	0	4,983	4,983	4,983	0	0	824	AR1294906	FREEHOLD	
2	NON HAZ WOOD	NON		PTSI	ENSCO	WMDS1378180	INCIN	27-Mar-02	0	270	0	270	0	0	825	ARD069748192	FREEHOLD	
16	NON HAZ PHCF	NON		PHCF	ENSCO	WMDS1378189	INCIN	27-Mar-02	0	7,983	0	7,983	0	0	825	ARD069748192	FREEHOLD	
2	NON HAZ CLEAN UP	NON		FC102	ENSCO	WMDS1393015	INCIN	27-Mar-02	0	373	0	373	0	0	825	ARD069748192	FREEHOLD	
1	NON HAZ NBI	NON		PTSI	ENSCO	WMDS1393036	INCIN	27-Mar-02	0	118	0	118	0	0	826	ARD069748192	FREEHOLD	
1	WASTE TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	OW11243	VWT	4-Apr-02	5,855	48,831	48,831		48,831	0	827	NJA4087203	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	OW11243	VWT	4-Apr-02	5,740	47,872	47,872		47,872	0	828	NJA4087202	BUFF FUEL	
1	NON HAZ PETROLEUM	NON		Parts Cleaner	SAFETY KL	NA1993	INCIN	4-Apr-02	24	170	0	170	0	0	829	NYD981556441	SAFETY KLN	
2	WASTE CARBON UNIT	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	8-Apr-02	0	11,080	11,080	2,770	0	8,310	830	PAG312145	AUTUMN IND	
1	WASTE TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	J51201	VWT	8-Apr-02	6,000	50,040	50,040		50,040	0	831	MI8666484	BUFF FUEL	
43	NON HAZ AVANEL	NON		Avanel	NORLITE	ST007102	INCIN	10-Apr-02	0	18,146	0	18,146	0	0	832	CTD021816889	UNITED IND	
44	NON HAZ AVANEL	NON		Avanel	NORLITE	ST007202	INCIN	10-Apr-02	0	18,125	0	18,125	0	0	832	CTD021816889	UNITED IND	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	10-Apr-02	0	42,400	42,400	42,400	0	0	833	MI8666493	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	VWT	11-Apr-02	4,860	40,532	40,532		40,532	0	834	NJA4087206	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	12-Apr-02	5,508	41,310	41,310	41,310	0	0	835	MI8666492	BUFF FUEL	

2002 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
2	WASTE ACE/TOLUENE	HAZ	D001, F002,F003, F005, D021, D022	FC102	NORLITE	ST004502	INCIN	12-Apr-02	0	876	876	876	0	0	836	NYG3318129	UNITED IND	
9	WASTE ACE/TOLUENE	HAZ	D001, F002,F003, F005, D021, D022	FC102	NORLITE	ST004502	INCIN	12-Apr-02	0	3,964	3,964	3,964	0	0	836	NYG3318129	UNITED IND	
35	NON HAZ AVANEL	NON		Avanel	NORLITE	ST00712	INCIN	12-Apr-02	0	14,535	0	14,535	0	0	837	CTD021816889	UNITED IND	
32	NON HAZ AVANEL	NON		Avanel	NORLITE	ST007202	INCIN	12-Apr-02	0	13,504	0	13,504	0	0	837	CTD021816889	UNITED IND	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EI DUPONT	OW11243	VWT	16-Apr-02	5,824	48,572	48,572		48,572	0	838	NJA4087205	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	18-Apr-02	6,000	45,000	45,000	45,000	0	0	839	MI8666491	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	19-Apr-02	5,900	44,250	44,250	44,250	0	0	840	MI8666490	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EI DUPONT	OW11243	VWT	23-Apr-02	5,485	45,745	45,745		45,745	0	841	NJA4087180	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	24-Apr-02	5,900	44,250	44,250	44,250	0	0	842	MI8666489	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EI DUPONT	OW11243	VWT	25-Apr-02	5,485	45,745	45,745		45,745	0	843	NJA4087179	BUFF FUEL	
1	WASTE DMF	HAZ	D001	ACL	NORLITE	SAN216123	INCIN	26-Apr-02	2,944	22,080	22,080	22,080	0	0	844	NYG3317778	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	30-Apr-02	6,000	45,000	45,000	45,000	0	0	845	MI8666488	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	2-May-02	6,000	45,000	45,000	45,000	0	0	846	MI8666487	BUFF FUEL	
2	WASTE CARBON UNIT	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	3-May-02	0	12,340	12,340	3,085	0	9,255	847	PAG312146	AUTUMN IND	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	3-May-02	6,000	45,000	42,600	42,600	0	0	848	MI8666486	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	8-May-02	6,000	45,000	42,600	42,600	0	0	849	MI8666485	BUFF FUEL	
18	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	10-May-02	0	7,492	7,492	7,492	0	0	850	AR1294865	HAZMAT	
11	WASTE POH	HAZ	D001	PNBC	ENSCO	1393067	INCIN	10-May-02	0	4,476	4,476	4,476	0	0	850	AR1294865	HAZMAT	
14	WASTE AMIDE CLOR	HAZ	D003	ACL	ENSCO	1393044	INCIN	10-May-02	0	1,469	1,469	1,469	0	0	850	AR1294865	HAZMAT	
1	WASTE TMTC	HAZ	D003, F005	TMTC	ENSCO	1393020	INCIN	10-May-02	0	400	400	400	0	0	850	AR1294865	HAZMAT	
5	WASTE NON NBI	NON		PTSI	ENSCO	1393036	INCIN	10-May-02	0	953	953	953	0	0	851	ARD069748192	HAZMAT	
12	WASTE NON PHCF	NON		PHCF	ENSCO	1378189	INCIN	10-May-02	0	5,884	5,884	5,884	0	0	851	ARD069748192	HAZMAT	
14	WASTE PTSI RESIDUE	NON		PTSI	ENSCO	225079	INCIN	10-May-02	0	7,763	7,763	7,763	0	0	851	ARD069748192	HAZMAT	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	10-May-02	2,950	22,125	22,125	22,125	0	0	852	MI7513967	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	13-May-02	6,000	45,000	45,000	45,000	0	0	853	MI7513999	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	17-May-02	6,000	45,000	45,000	45,000	0	0	854	MI7513997	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	29-May-02	6,000	45,000	45,000	45,000	0	0	855	MI7513996	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	3-Jun-02	6,000	45,000	45,000	45,000	0	0	856	MI7513995	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	INCIN	5-Jun-02	5,300	39,750	39,750	39,750	0	0	857	NJA4087204	BUFF FUEL	
3	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,	HEGCL	NORLITE	ST004502	INCIN	6-Jun-02	0	1,334	1,334	1,334	0	0	858	NYG3317454	UNITED IND	
57	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,	HEGCL	NORLITE	ST004502	INCIN	6-Jun-02	0	23,266	23,266	23,266	0	0	858	NYG3317454	UNITED IND	
1	WASTE NON REG SOLID	NON		FC102	BRIDGEPOR	2390DE4	INCIN	6-Jun-02	0	108	108	108	0	0	859	CTF0563831	UNITED IND	
14	WASTE NON REG CARE	NON		Carbaester	BRIDGEPOR	0927DE4	INCIN	6-Jun-02	0	6,125	6,125	6,125	0	0	859	CTF0563831	UNITED IND	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	7-Jun-02	5,820	43,650	43,650	43,650	0	0	860	MI7513994	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	12-Jun-02	5,820	43,650	43,650	43,650	0	0	861	MI7513993	BUFF FUEL	
2	SOLID CARBON UNITS	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	14-Jun-02	0	12,220	12,220	0	0	12,220	862	PAG312417	AUTUMN IND	
1	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	0209-01	INCIN	20-Jun-02	6,300	47,250	47,250	47,250	0	0	863	NYG3204342	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	OW11243	VWT	21-Jun-02	3,944	32,893	32,893		32,893	0	864	NJA4087181	BUFF FUEL	
1	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	0209-01	INCIN	21-Jun-02	0	25,730	25,730	25,730	0	0	865	NYG3319065	BUFF FUEL	
16	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	WMDS137817	INCIN	21-Jun-02	0	5,524	5,524	5,524	0	0	866	AR1294758	HAZMAT	
2	WASTE ETHYLAMINE	HAZ	D001, D002		ENSCO	WMDS139253	INCIN	21-Jun-02	0	736	736	736	0	0	866	AR1294758	HAZMAT	
6	WASTE TOL/ACI	HAZ	D001, D003, F005	ACL	ENSCO	WMDS139253	INCIN	21-Jun-02	0	2,040	2,040	2,040	0	0	866	AR1294758	HAZMAT	
8	WASTE SODIUM HYD	HAZ	D002	Plant Effluent	ENSCO	WMDS139302	INCIN	21-Jun-02	0	3,022	3,022	3,022	0	0	866	AR1294758	HAZMAT	

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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
5	WASTE POH	HAZ	D001	PNBC	ENSCO	WMDS139306	INCIN	21-Jun-02	0	1,904	1,904	1,904	0	0	867	AR1294759	HAZMAT	
2	WASTE ACI	HAZ	D003	ACL	ENSCO	WMDS139304	INCIN	21-Jun-02	0	342	342	342	0	0	867	AR1294759	HAZMAT	
10	WASTE NON REG PTSI	NON		PTSI	ENSCO	WMDS225079	INCIN	21-Jun-02	0	5,584	5,584	5,584	0	0	868	ARD069748192	HAZMAT	
8	WASTE NON REG PHCF	NON		PHCF	ENSCO	WMDS137818	INCIN	21-Jun-02	0	3,526	3,526	3,526	0	0	868	ARD069748192	HAZMAT	
1	WASTE PETROLEUM NAP	NON		Parts Cleaner	SAFETY KL	NY10827JF	TREATED	25-Jun-02	26	208	0	0			869	SCR000075150	SAFETY KLN	
2	SOLID CARBON UNITS	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	1-Jul-02	0	10,426	10,426	0	0	10,426	870	PAG312148	AUTUMN IND	
1	WASTE XYLENE/MET	HAZ	D001	345 TMBCL	EQ RESOURCE	J51201	INCIN	2-Jul-02	5,516	41,370	39,164	39,164	0	0	871	MI8124482	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F005, F003	HEGCL	NORLITE	0148-02	INCIN	10-Jul-02	5,625	39,938	39,938	39,938	0	0	872	NYG1944504	BUFF FUEL	
27	WASTE LIQUID SLUDGE	HAZ	F002, F003, F005, D021	Plant Effluent	ENSCO	WMDS1398656	INCIN	18-Jul-02	0	18,742	18,742	18,742	0	0	873	AR1294741	HAZMAT	
40	WASTE SOLID CARBON	HAZ	F002, F003, F005, D021, D022		ENSCO	WMDS1378178	INCIN	18-Jul-02	0	14,885	14,885	14,885	0	0	873	AR1294741	HAZMAT	
6	NON HAZ PTSI RESIDUE	NON		PTSI	ENSCO	WMDS225079	INCIN	18-Jul-02	0	3,598	3,598	3,598	0	0	874	ARD069748192	HAZMAT	
1	WASTE HAZ TOL/DEA	HAZ	D001, D002, F005	HEGCL	EQ RESOURCE	G47002	INCIN	19-Jul-02	4,686	33,271	33,271	33,271	0	0	875	MI8666676	BUFF FUEL	
2	WASTE CARBON UNIT	HAZ	F002	HEGCL	CALGON	CAN2542R	RECYC	22-Jul-02	0	4,000	4,000	0	0	4,000	876	PAG312150	HAZMAT	
1	WASTE TOL/DEA	HAZ	D001, D002, F005	HEGCL	EQ RESOURCE	G47002	INCIN	23-Jul-02	5,600	39,760	39,760	39,760	0	0	877	MI8666680	BUFF FUEL	
1	WASTE TOL/DEA	HAZ	D001, D002, F006	HEGCL	EQ RESOURCE	G47003	INCIN	26-Jul-02	4,769	33,860	33,860	33,860	0	0	878	MI8666682	BUFF FUEL	
2	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,	HEGCL	NORLITE	ST-0045-02	INCIN	2-Aug-02	0	893	893	893	0	0	879	NYG3545505	UNITED IND	
89	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,	HEGCL	NORLITE	ST-0045-02	INCIN	2-Aug-02	0	36,128	36,128	36,128	0	0	879	NYG3545505	UNITED IND	
1	WASTE TOL/DEA	HAZ	D001, D002, F005	HEGCL	EQ RESOURCE	G47002	INCIN	2-Aug-02	5,900	42,480	42,480	42,480	0	0	880	MI8666681	BUFF FUEL	
2	SOLID CARBON UNITS	HAZ	F002, F005	Plant Effluent	ENVIROTROL	ERG171	RECYC	6-Aug-02	0	6,858	6,858	0	0	6,858	881	PAG312149	AUTUMN IND	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	15-Aug-02	5,920	42,032	42,032	42,032	0	0	882	MI7513991	BUFF FUEL	
1	WASTE SPENT CARBON	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	19-Aug-02	0	3,000	3,000	0	0	3,000	883	PAG366324	AUTUMN IND	
5	WASTE SPENT CARBON	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	19-Aug-02	0	2,875	2,875	0	0	2,875	883	PAG366324	AUTUMN IND	
6	WASTE SPENT CARBON	HAZ	F002	HEGCL	CALGON	2542R	RECYC	26-Aug-02	0	12,000	12,000	0	0	12,000	884	NYG1251576	HAZMAT	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	TREATED	26-Aug-02	4,800	34,080	34,080		34,080	0	885	NJA4087196	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	27-Aug-02	5,138	36,480	36,480	36,480	0	0	886	MI7513990	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	29-Aug-02	5,644	42,072	42,072	42,072	0	0	887	MI7513989	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	30-Aug-02	5,484	38,936	38,936	38,936	0	0	888	MI7513988	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	5-Sep-02	5,604	39,788	39,788	39,788	0	0	889	MI7513987	BUFF FUEL	
25	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	WMDS1378178	INCIN	9-Sep-02	0	8,194	8,194	8,194	0	0	890	AR1294647	BUFF FUEL	
7	WASTE POH	HAZ	D001	PNBC	ENSCO	WMDS1393067	INCIN	9-Sep-02	0	3,119	3,119	3,119	0	0	890	AR1294647	BUFF FUEL	
1	WASTE LIQUID	HAZ	F002, F003, F005, D021		ENSCO	WMDS1408337	INCIN	9-Sep-02	0	457	457	457	0	0	890	AR1294647	BUFF FUEL	
5	WASTE LIQUID	HAZ	D003, D021		ENSCO	WMDS1408339	INCIN	9-Sep-02	0	2,800	2,800	2,800	0	0	890	AR1294647	BUFF FUEL	
1	WASTE LIQUID	HAZ	D003, D021		ENSCO	WMDS1408339	INCIN	9-Sep-02	0	538	538	538	0	0	891	AR1294648	BUFF FUEL	
9	NON REG PTSI RESID	NON		PTSI	ENSCO	WMDS225079	INCIN	9-Sep-02	0	5,245	5,245	5,245	0	0	892	ARD069748192	FREEHOLD	
3	NON REG WASH WTR	NON		Plant Cleaning	ENSCO	WMDS1408336	INCIN	9-Sep-02	0	800	800	800	0	0	892	ARD069748192	FREEHOLD	
4	NON REG WASH WTR	NON		Plant Cleaning	ENSCO	WMDS1408336	INCIN	9-Sep-02	0	1,163	1,163	1,163	0	0	892	ARD069748192	FREEHOLD	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	11-Sep-02	5,600	39,760	39,760	39,760	0	0	893	MI7513986	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	TREATED	12-Sep-02	4,400	31,240	31,240		31,240	0	894	NJA4087185	BUFF FUEL	
1	WASTE PETROLEUM NAP	NON		Parts Cleaner	SAFETY KL	99456156	TREATED	19-Sep-02	24		0	0			895	NYD981556541	SAFETY KLN	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	19-Sep-02	6,228	44,219	44,219	44,219	0	0	896	MI7513985	BUFF FUEL	
1	NON HAZ REF BRINE	NON		Plant (Brine)	CECOS	12472-AAB	TREATED	24-Sep-02	3,750	31,275					897	NYD080336241	BUFF FUEL	
1	NON HAZ REF BRINE	NON		Plant (Brine)	CECOS	12472-AAB	TREATED	25-Sep-02	3,700	30,858			0	0	898	NYD080336241	BUFF FUEL	

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1	WASTE ACE/4METHCF	HAZ	D001, D002, D003, F003	MSECF	ENSCO	1419625	INCIN	7-Oct-02	0	385	385	385	0	0	899	AR1294807	HAZMAT	
1	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	7-Oct-02	0	100	100	100	0	0	899	AR1294807	HAZMAT	
1	NON REG TRICL/HEP	NON			ENSCO	1419624	INCIN	7-Oct-02	0	214	214	214	0	0	900	ARD069748192	HAZMAT	
1	WASTE TOL/METH	HAZ	F005, F003		EI DUPONT	OW11243	INCIN	7-Oct-02	2,400	17,414	17,414	17,414	0	0	901	NJA4087184	BUFF FUEL	
1	WASTE DEA/TOL	HAZ	D001, F003, F005	HEGCL	NORLITE	ST023302	INCIN	8-Oct-02	2,054	16,540	16,540	16,540	0	0	902	NYG3544641	BUFF FUEL	
3	WASTE SPENT CARBON	HAZ	F002, F005	Plant Effluent	ENVIROTRON	WW15524	RECYC	11-Oct-02	0	12,000	12,000	0	0	12,000	903	PAG366340	AUTUMN IND	
67	WASTE SLUDGE	HAZ	F002, F003, F005	Plant Effluent	ENSCO	1398655	INCIN	18-Oct-02	0	40,625	40,625	40,625	0	0	904	AR1294598	HAZMAT	
17	WASTE SOLID	HAZ	F003, F003, F005, D021, D022		ENSCO	1378178	INCIN	25-Oct-02	0	5,392	5,392	5,392	0	0	905	AR1294589	HAZMAT	
6	WASTE TMTC	HAZ	D003, F005	TMTC	ENSCO	1393020	INCIN	25-Oct-02	0	2,849	2,849	2,849	0	0	905	AR1294589	HAZMAT	
1	WASTE ACL	HAZ	D003	ACL	ENSCO	1393044	INCIN	25-Oct-02	0	77	77	77	0	0	905	AR1294589	HAZMAT	
12	WASTE LIQUID	HAZ	F002, F003, F005, D021		ENSCO	1398655	INCIN	25-Oct-02	0	5,811	5,811	5,811	0	0	905	AR1294589	HAZMAT	
1	WASTE LIQUID	HAZ	F002, F003, F005, D021		ENSCO	1408337	INCIN	25-Oct-02	0	386	386	386	0	0	905	AR1294589	HAZMAT	
1	WASTE HCL	HAZ	D002		ENSCO	1328156	INCIN	25-Oct-02	0	408	408	408	0	0	905	AR1294589	HAZMAT	
3	WASTE XY 345TMBCL	HAZ	D001, D002, F003	TMBCL	ENSCO	1419663	INCIN	25-Oct-02	0	1,030	1,030	1,030	0	0	905	AR1294589	HAZMAT	
1	WASTE POH	HAZ	D001	PNBC	ENSCO	1393007	INCIN	25-Oct-02	0	120	120	120	0	0	905	AR1294589	HAZMAT	
2	NON REG PTSI RESID	NON		PTSI	ENSCO	225079	INCIN	25-Oct-02	0	1,176	0	1,176	0	0	906	ARD069748192	HAZMAT	
1	NON REG FC102	NON		FC102	ENSCO	1393015	INCIN	25-Oct-02	0	360	0	360	0	0	906	ARD069748192	HAZMAT	
3	NON REG WASH WTR	NON			ENSCO	1408336	INCIN	25-Oct-02	0	1,289	0	1,289	0	0	906	ARD069748192	HAZMAT	
1	WASTE SODIUM HYD	HAZ	D002, D005		CWM CHEM	BY1701	TREATED	25-Oct-02	0	520	520	0			907	NYG3544092	HAZMAT	
1	WASTE XYL METH	HAZ	D001	TMBCL	EQ RESOURCE	J51201	INCIN	1-Nov-02	4211	31,583	31,583	31,583	0	0	908	MI8666866	BUFF FUEL	
1	WASTE SPENT CARBON	HAZ	F002, F005	Plant Effluent	ENVIROTRON	16160	RECYC	5-Nov-02	0	4,000	4,000	0	0	4000	909	PAG366339	AUTUMN IND	
5	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	15-Nov-02	0	1,803	1,803	1,803	0	0	910	AR1294590	HAZMAT	
10	WASTE TOL/ACI	HAZ	D001, D003, F005	ACL	ENSCO	1392551	INCIN	15-Nov-02	0	3,770	3,770	3,770	0	0	910	AR1294590	HAZMAT	
14	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	15-Nov-02	0	5,157	5,157	5,157	0	0	910	AR1294590	HAZMAT	
1	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	15-Nov-02	0	464	464	464	0	0	910	AR1294590	HAZMAT	
1	WASTE DEA	HAZ	D001	Lecture Bottles	SET ENVIR	ERG118	INCIN	15-Nov-02	0	5	5	5	0	0	911	02623144	HAZMAT	
2	WASTE ETHYLENE	HAZ	D001	Lecture Bottles	SET ENVIR	ERG119	INCIN	15-Nov-02	0	10	10	10	0	0	911	02623144	HAZMAT	
1	WASTE VINYL CL	HAZ	D001	Lecture Bottles	SET ENVIR	ERG116	INCIN	15-Nov-02	0	5	5	5	0	0	911	02623144	HAZMAT	
1	WASTE ETHYLAMINE	HAZ	D001	Lecture Bottles	SET ENVIR	ERG118	INCIN	15-Nov-02	0	5	5	5	0	0	911	02623144	HAZMAT	
2	CHLORINE	HAZ	D002	Lecture Bottles	SET ENVIR	ERG124	TREATED	15-Nov-02	0	10	10	0	0	10	912	02623145	HAZMAT	
1	WASTE TOLUENE	HAZ	D001, F005	PHCF	EQ RESOURCE	J41302	INCIN	22-Nov-02	1300	9,386	9,386	9,386	0	0	913	MI7612354	BUFF FUEL	
1	WASTE TOLUENE	HAZ	D001, F005	PHCF	EQ RESOURCE	J41302	INCIN	22-Nov-02	5700	41,154	41,154	41,154	0	0	914	MI7612355	BUFF FUEL	
2	WASTE SPENT CARBON	HAZ	F002, F005		ENVIROTRON	ERG 171	RECYC	26-Nov-02	0	8,200	8,200	0	0	8200	915	PAG366325	AUTUMN IND	
1	WASTE METHANOL	HAZ	D001, F003		EQ RESOURCE	L41702		6-Dec-02	5462	36,898	36,898	36,898			916	MI8666171	BUFF FUEL	
14	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	6-Dec-02	0	5,996	5,996	5,996	0	0	917	AR1294591	HAZMAT	
2	WASTE TMTC	HAZ	D003, F005	TMTC	ENSCO	1393020	INCIN	6-Dec-02	0	1,100	1,100	1,100	0	0	917	AR1294591	HAZMAT	
7	WASTE TOL/ACI	HAZ	D001, D003, F005		ENSCO	1392551	INCIN	6-Dec-02	0	2,871	2,871	2,871	0	0	917	AR1294591	HAZMAT	
1	WASTE LIQUID	HAZ	F002, F003, F005, D021		ENSCO	1398655	INCIN	6-Dec-02	0	524	524	524	0	0	917	AR1294591	HAZMAT	

VDM00627

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
25	WASTE ACE/HCL	HAZ	D001, D002, F002, F003, F005, D021, D022		ENSCO	1419718	INCIN	6-Dec-02	0	400	400	400	0	0	917	AR1294591	HAZMAT	
5	WASTE POH	HAZ	D001	PNBC	ENSCO	1393067	INCIN	6-Dec-02	0	2,130	2,130	2,130	0	0	917	AR1294591	HAZMAT	
6	WASTE NAOH	HAZ	D002		ENSCO	1393023	INCIN	6-Dec-02	0	2,682	2,682	2,682	0	0	917	AR1294591	HAZMAT	
4	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	6-Dec-02	0	1,597	1,597	1,597	0	0	917	AR1294591	HAZMAT	
8	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	6-Dec-02	0	12,416	12,416	12,416	0	0	917	AR1294591	HAZMAT	
10	WASTE XYL/TMBCL	HAZ	D001, D002, F003	TMBCL	ENSCO	1419663	INCIN	6-Dec-02	0	3,970	3,970	3,970	0	0	917	AR1294591	HAZMAT	
1	WASTE TOL/METH	HAZ	D001, F003, F005		EQ RESOURCE	J51201	INCIN	12-Dec-02	6300	47,250	40,965	40,965	0	0	918	MI7513984	BUFF FUEL	
1	NON HAZ PETROLEUM	NON			SAFETY KLN	10827	RECYCL	12-Dec-02	24		0	0	0		919	NYD981556541	SAFETY KLN	
1	WASTE TOL/METH	HAZ	D001, D002, F003		EQ RESOURCE	J51201	INCIN	12-Dec-02	6000	45,000	45,000	45,000	0	0	920	MI7513983	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, D002, F003		EI DUPONT	OW11243	INCIN	13-Dec-02	5570	40,415	40,415	40,415	0	0	921	NJA4087186	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, D002, F003		EI DUPONT	OW11243	INCIN	16-Dec-02	3250	23,581	23,581	23,581	0	0	922	NJA4087187	BUFF FUEL	
16	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	27-Dec-02	0	6004	6004	6004	0	0	923	AR1363933	HAZMAT	
9	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	27-Dec-02	0	2942	2942	2942	0	0	923	AR1363933	HAZMAT	
13	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	27-Dec-02	0	5080	5080	5080	0	0	923	AR1363933	HAZMAT	
4	WASTE ACE/PHCF	HAZ	D001, D002, D003, F003		ENSCO	155776	INCIN	27-Dec-02	0	1324	1324	1324	0	0	923	AR1363933	HAZMAT	
3	WASTE MET/SOD HYD	HAZ	D001, D002, F003		ENSCO	1434042	INCIN	27-Dec-02	0	1244	1244	1244	0	0	924	AR1363934	HAZMAT	
1	WASTE TOL/ACI	HAZ	D001, D003, F005		ENSCO	1392551	INCIN	27-Dec-02	0	543	543	543	0	0	924	AR1363934	HAZMAT	
1	WASTE SOLID SOD HYD	NON			ENSCO	1434045	INCIN	27-Dec-02	0	413	0	413	0	0	925	ARD069748192	HAZMAT	
1	WASTE 345TMBCL/HEP	NON			ENSCO	1434027	INCIN	27-Dec-02	0	290	0	290	0	0	925	ARD069748192	HAZMAT	
8	WASTE IMIDAZOLE	NON			ENSCO	1434028	INCIN	27-Dec-02	0	1840	0	1,840	0	0	925	ARD069748192	HAZMAT	
3	WASTE N METH NN DIC	NON			ENSCO	1419624	INCIN	27-Dec-02	0	1154	0	1,154	0	0	925	ARD069748192	HAZMAT	
6	WASTE PTSI RESIDUE	NON			ENSCO	225079	INCIN	27-Dec-02	0	3,492	0	3,492	0	0	926	ARD069748192	HAZMAT	
1	WASTE FC102 CLN UP	NON			ENSCO	1393015	INCIN	27-Dec-02	0	159	0	159	0	0	926	ARD069748192	HAZMAT	
2	WASTE SANDBLAST	NON			ENSCO	1434043	INCIN	27-Dec-02	0	720	0	720	0	0	926	ARD069748192	HAZMAT	
1	WASTE NEODOL	NON			ENSCO	1434031	INCIN	27-Dec-02	0	266	0	266	0	0	926	ARD069748192	HAZMAT	
6	WASTE ODI	NON			ENSCO	1434029	INCIN	27-Dec-02	0	2,400	0	2,400	0	0	927	ARD069748192	HAZMAT	
1	WASTE ODI	NON			ENSCO	1434029	INCIN	27-Dec-02	0	300	0	300	0	0	927	ARD069748192	HAZMAT	
10	WASTE MACOL	NON			ENSCO	1309281	INCIN	27-Dec-02	0	3,651	0	3,651	0	0	927	ARD069748192	HAZMAT	
6	WASTE PHCF	NON			ENSCO	155776	INCIN	27-Dec-02	0	3,240	0	3,240	0	0	927	ARD069748192	HAZMAT	
										3,519,485								

2002 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
										1,738,781	605.64	363.46	213.71	62.97				

2002 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax.

Rev : April 18th 2002

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDf	APPROVA CODE	DISP METHOD	SHIP DATE	DISP VOL gal	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
3	WASTE MCB	HAZ	D001, D021	PTSI	C HARBOR	CH154636	INCIN	18-Jan-02	0	1,500	1,500	1,500	0	0	794	MDC0895592	C. HARBORS	
2	WASTE BUT/ POH	HAZ	D001, D002	BUCL	C HARBOR	CH156189	INCIN	18-Jan-02	0	835	835	835	0	0	794	MDC0895592	C. HARBORS	
9	WASTE POH	HAZ	D001	PNBC	C HARBOR	CH183013	INCIN	18-Jan-02	0	3,634	3,634	3,634	0	0	794	MDC0895592	C. HARBORS	
1	WASTE BCF METH	HAZ	F002, F003, F005, D001, D021, D022	BCF	C HARBOR	CH124265	INCIN	18-Jan-02	0	399	399	399	0	0	795	MDC0895593	C. HARBORS	
3	WASTE MCB	HAZ	D001, D021	PTSI	C HARBOR	CH124412	INCIN	18-Jan-02	0	1,334	1,334	1,334	0	0	795	MDC0895593	C. HARBORS	
2	WASTE MCB / FUEL OIL	HAZ	F002, D001, D021	PTSI	C HARBOR	CH131275	INCIN	18-Jan-02	0	1,100	1,100	1,100	0	0	795	MDC0895593	C. HARBORS	
24	WASTE N NDIMETHYL	HAZ	D001	ACL	C HARBOR	CH131343	INCIN	18-Jan-02	0	10,161	10,161	10,161	0	0	795	MDC0895593	C. HARBORS	
2	WASTE NITRILES	HAZ			C HARBOR	CH156112	INCIN	18-Jan-02	0	121	121	121	0	0	796	MDC0895594	C. HARBORS	
2	WASTE PNBC	HAZ		PNBC	C HARBOR	CH183168	INCIN	18-Jan-02	0	900	900	900	0	0	796	MDC0895594	C. HARBORS	
1	WASTE MCB DEA	HAZ	D001, D021	PNBC	C HARBOR	CH147725	INCIN	18-Jan-02	0	199	199	199	0	0	796	MDC0895594	C. HARBORS	
1	WASTE CAUSTIC	HAZ	D002, D003	Plant	C HARBOR	CH183158	INCIN	18-Jan-02	0	500	500	500	0	0	797	MDC0895591	C. HARBORS	
2	WASTE TMTC/TOL	HAZ	F005, D002, D003	TMTC	C HARBOR	CH158110	INCIN	18-Jan-02	0	1,103	1,103	1,103	0	0	797	MDC0895591	C. HARBORS	
5	WASTE TMTC/TOL	HAZ	F005, D002, D003	TMTC	C HARBOR	CH158113	INCIN	18-Jan-02	0	2,990	2,990	2,990	0	0	797	MDC0895591	C. HARBORS	
10	WASTE TMTC/TOL	HAZ	F005, D002, D003	TMTC	C HARBOR	CH158118	INCIN	18-Jan-02	0	4,392	4,392	4,392	0	0	797	MDC0895591	C. HARBORS	
4	WASTE ACETONE	HAZ	F002, F003, F005, D001	Plant	C HARBOR	CH183167	INCIN	18-Jan-02	0	1,129	1,129	1,129	0	0	798	MDC0895590	C. HARBORS	
4	WASTE ACE/METH	HAZ	F002, F003, F005, D021, D022	FC102	C HARBOR	CH124262	INCIN	18-Jan-02	0	829	829	829	0	0	798	MDC0895590	C. HARBORS	
5	WASTE PTSI	HAZ	F002, F003, F005, D021	PTSI	C HARBOR	CH183171	INCIN	18-Jan-02	0	2,807	2,807	2,807	0	0	799	MDC0895589	C. HARBORS	
4	WASTE CARBON UNIT	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	22-Jan-02	0	22,000	22,000	0	0	22000	801	PAG312141	AUTUMN IND	
4	WASTE CARBON UNIT	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	24-Jan-02	0	28,980	28,980	0	0	28980	802	PAG312151	AUTUMN IND	
3	WASTE ACE/METH	HAZ	F002, F003, F005, D021, D022	FC102	C HARBORS	CH124262	INCIN	24-Jan-02	0	938	938	938	0	0	804	MDC0895645	C. HARBORS	
2	WASTE PTSA/ACE	HAZ	F002, F005, D021	PTSI	C HARBORS	CH131345	INCIN	24-Jan-02	0	765	765	765	0	0	804	MDC0895645	C. HARBORS	
1	WASTE BCF/METH CL	HAZ	D001, F003, F005, D021	BCF	C HARBORS	CH183171	INCIN	24-Jan-02	0	311	311	311	0	0	804	MDC0895645	C. HARBORS	
2	WASTE TOLUENE	HAZ	F005, D001	HEGCL	C HARBORS	CH157112	INCIN	24-Jan-02	0	928	928	928	0	0	805	MDC0895646	C. HARBORS	
1	WASTE FUEL OIL/MCB	HAZ	F002, D001, D021	PTSI	C HARBORS	CH131275	INCIN	24-Jan-02	0	478	478	478	0	0	805	MDC0895646	C. HARBORS	
29	WASTE DEA	HAZ	D001	HEGCL	C HARBORS	CH131343	INCIN	24-Jan-02	0	11,346	11,346	11,346	0	0	805	MDC0895646	C. HARBORS	
3	WASTE ACETONE	HAZ	F002, F003, F005, D001	Plant	C HARBORS	CH183167	INCIN	24-Jan-02	0	845	845	845	0	0	805	MDC0895646	C. HARBORS	
1	WASTE TOL/METH	HAZ	D001	FC102	EQ RESOURCE	J51201	INCIN	30-Jan-02	5800	41,180	41,180	41,180	0	0	806	MI7612338	C. HARBORS	
1	WASTE SOLID	HAZ	F002	HEGCL	CALGON	CAN2542R	RECYC	30-Jan-02	0	2,000	2,000	0	0	2000	807	PAG312142	HAZMAT	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243			5888	41,805	41,805		41,805	0	808	NJA4087201	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001	FC102	EQ RESOURCE	J51201	INCIN	6-Feb-02	6000	42,600	42,600	42,600	0	0	809	MI7612339	BUFF FUEL	
1	WASTE ETHANOL/MET	HAZ	D001, F003	FC102	NORLITE	SAN21591	INCIN	15-Feb-02	6002	42,614	42,614	42,614	0	0	810	NYG3204351	BUFF FUEL	
1	WASTE CARBON UNIT	HAZ	F002, F005	Plant	ENVIROTROL		RECYC	27-Feb-02	0	7,140	7,140	0	0	7140	811	PAG312143	AUTUMN IND	
1	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	SAN21594	INCIN	27-Feb-02	6000	42,600	42,600	42,600	0	0	812	NYG3204378	BUFF FUEL	
1	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	SAN21595	INCIN	6-Mar-02	5960	42,316	42,316	42,316	0	0	813	NYG3204387	BUFF FUEL	
2	WASTE HYD CL ANHY	HAZ	D002	Lecture Bottle	SAFETY KL	00762-304	TREATED	6-Mar-02	0	10	10	0	10	0	814	NYG3318696	FREEHOLD	

2002 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax.																		
Rev : April 18th 2002																		
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDf	APPROVA CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY

1	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	7-Jan-02	5,960	44,700	44,700	44,700	0	0	785	MI761233		
1	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	INCIN	8-Jan-02	4,901	49,014	49,014		49,014	0	787	NJA4087198		
1	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	9-Jan-02	6,000	45,000	45,000	45,000	0	0	788	MI7612334		
1	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	INCIN	10-Jan-02	6,000	50,040	50,040		50,040	0	789	NJA4087199		
1	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	14-Jan-02	5,960	44,700	44,700	44,700	0	0	790	MI7612335		
7	SOLID CARBON UNITS	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	14-Jan-02	0	35,000	35,000	0	0	35,000	791	PAG312152		
1	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	INCIN	15-Jan-02	5,200	43,368	43,368		43,368	0	792	NJA4087200		
1	FLAM LIQ TOL/MET	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	16-Jan-02	6,000	45,000	45,000	45,000	0	0	793	MI7612337		
3	WASTE DIOXANE	HAZ	U108, D001	Pilot Lab	C HARBOR	CH117739	INCIN	18-Jan-02	0	1,097	1,097	1,097	0	0	794	MDC0895592		
3	WASTE MCB	HAZ	D001, D021	PTSI	C HARBOR	CH154636	INCIN	18-Jan-02	0	1,500	1,500	1,500	0	0	794	MDC0895592		
2	WASTE BUT/ POH	HAZ	D001, D002	BUCL	C HARBOR	CH156189	INCIN	18-Jan-02	0	835	835	835	0	0	794	MDC0895592		
9	WASTE POH	HAZ	D001	PNBC	C HARBOR	CH183013	INCIN	18-Jan-02	0	3,634	3,634	3,634	0	0	794	MDC0895592		
1	WASTE BCF METH	HAZ	F002, F003, F005, D001, D021, D022	BCF	C HARBOR	CH124265	INCIN	18-Jan-02	0	399	399	399	0	0	795	MDC0895593		
3	WASTE MCB	HAZ	D001, D021	PTSI	C HARBOR	CH124412	INCIN	18-Jan-02	0	1,334	1,334	1,334	0	0	795	MDC0895593		
2	WASTE MCB / FUEL OIL	HAZ	F002, D001, D021	PTSI	C HARBOR	CH131275	INCIN	18-Jan-02	0	1,100	1,100	1,100	0	0	795	MDC0895593		
24	WASTE N NDIMETHYL	HAZ	D001	ACL	C HARBOR	CH131343	INCIN	18-Jan-02	0	10,161	10,161	10,161	0	0	795	MDC0895593		
2	WASTE NITRILES	HAZ			C HARBOR	CH156112	INCIN	18-Jan-02	0	121	121	121	0	0	796	MDC0895594		
2	WASTE PNBC	HAZ		PNBC	C HARBOR	CH183168	INCIN	18-Jan-02	0	900	900	900	0	0	796	MDC0895594		
1	WASTE MCB DEA	HAZ	D001, D021	PNBC	C HARBOR	CH147725	INCIN	18-Jan-02	0	199	199	199	0	0	796	MDC0895594		
1	WASTE CAUSTIC	HAZ	D002, D003	Plant	C HARBOR	CH183158	INCIN	18-Jan-02	0	500	500	500	0	0	797	MDC0895591		
2	WASTE TMTC/TOL	HAZ	F005, D002, D003	TMTC	C HARBOR	CH158110	INCIN	18-Jan-02	0	1,103	1,103	1,103	0	0	797	MDC0895591		
5	WASTE TMTC/TOL	HAZ	F005, D002, D003	TMTC	C HARBOR	CH158113	INCIN	18-Jan-02	0	2,990	2,990	2,990	0	0	797	MDC0895591		
10	WASTE TMTC/TOL	HAZ	F005, D002, D003	TMTC	C HARBOR	CH158118	INCIN	18-Jan-02	0	4,392	4,392	4,392	0	0	797	MDC0895591		
4	WASTE ACETONE	HAZ	F002, F003, F005, D001	Plant	C HARBOR	CH183167	INCIN	18-Jan-02	0	1,129	1,129	1,129	0	0	798	MDC0895590		
4	WASTE ACE/METH	HAZ	F002, F003, F005, D021, D022	FC102	C HARBOR	CH124262	INCIN	18-Jan-02	0	829	829	829	0	0	798	MDC0895590		
5	WASTE PTSI	HAZ	F002, F003, F005, D021	PTSI	C HARBOR	CH183171	INCIN	18-Jan-02	0	2,807	2,807	2,807	0	0	799	MDC0895589		
4	WASTE CARBON UNIT	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	22-Jan-02	0	22,000	22,000	0	0	22,000	801	PAG312141		
4	WASTE CARBON UNIT	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	24-Jan-02	0	28,980	28,980	0	0	28,980	802	PAG312151		
3	WASTE ACE/METH	HAZ	F002, F003, F005, D021, D022	FC102	C HARBORS	CH124262	INCIN	24-Jan-02	0	938	938	938	0	0	804	MDC0895645		
2	WASTE PTSA/ACE	HAZ	F002, F005, D021	PTSI	C HARBORS	CH131345	INCIN	24-Jan-02	0	765	765	765	0	0	804	MDC0895645		

2002 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax. Rev : April 18th 2002																		
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVA CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	WASTE BCF/METH CL	HAZ	D001, F003, F005, D021	BCF	C HARBORS	CH183171	INCIN	24-Jan-02	0	311	311	311	0	0	804	MDC0895645		
2	WASTE TOLUENE	HAZ	F005, D001	HEGCL	C HARBORS	CH157112	INCIN	24-Jan-02	0	928	928	928	0	0	805	MDC0895646		
1	WASTE FUEL OIL/MCB	HAZ	F002, D001, D021	PTSI	C HARBORS	CH131275	INCIN	24-Jan-02	0	478	478	478	0	0	805	MDC0895646		
29	WASTE DEA	HAZ	D001	HEGCL	C HARBORS	CH131343	INCIN	24-Jan-02	0	11,346	11,346	11,346	0	0	805	MDC0895646		
3	WASTE ACETONE	HAZ	F002, F003, F005, D001	Plant	C HARBORS	CH183167	INCIN	24-Jan-02	0	845	845	845	0	0	805	MDC0895646		
1	WASTE TOL/METH	HAZ	D001	FC102	EQ RESOURCE	J51201	INCIN	30-Jan-02	5,800	43,500	43,500	43,500	0	0	806	MI7612338		
1	WASTE SOLID	HAZ	F002	HEGCL	CALGON	CAN2542F	RECYC	30-Jan-02	0	2,000	2,000	0	0	2,000	807	PAG312142		
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243			5,888	49,106	49,106		49,106	0	808	NJA4087201		
1	WASTE TOL/METH	HAZ	D001	FC102	EQ RESOURCE	J51201	INCIN	6-Feb-02	6,000	45,000	45,000	45,000	0	0	809	MI7612339		
1	WASTE ETHANOL/MET	HAZ	D001, F003	FC102	NORLITE	SAN21591	INCIN	15-Feb-02	6,002	45,015	45,015	45,015	0	0	810	NYG3204351		
1	WASTE CARBON UNIT	HAZ	F002, F005	Plant	ENVIROTROL		RECYC	27-Feb-02	0	7,140	7,140	0	0	7,140	811	PAG312143		
1	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	SAN21594	INCIN	27-Feb-02	6,000	45,000	45,000	45,000	0	0	812	NYG3204378		
1	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	SAN21595	INCIN	6-Mar-02	5,960	44,700	44,700	44,700	0	0	813	NYG3204387		
2	WASTE HYD CL ANHY	HAZ	D002	ecture Bottle	SAFETY KL	00762-304	TREATED	6-Mar-02	0	10	10	0	10	0	814	NYG3318696		
1	WASTE DEA ANHY	HAZ	D001	ecture Bottle	SAFETY KL	33762-156	TREATED	6-Mar-02	0	5	5	0	5	0	814	NYG3318696		
2	WASTE CHLORINE	HAZ	D002	ecture Bottle	SAFETY KL	00762-068	TREATED	6-Mar-02	0	10	10	0	10	0	814	NYG3318696		
1	WASTE CYANOGEN	HAZ	D001	ecture Bottle	SAFETY KL	00762-104	TREATED	6-Mar-02	0	5	5	0	5	0	814	NYG3318696		
1	WASTE METH ANHY	HAZ	D001	ecture Bottle	SAFETY KL	00762-335	TREATED	6-Mar-02	0	5	5	0	5	0	815	NYG3318705		
1	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	SAN21597	INCIN	13-Mar-02	6,000	45,000	45,000	45,000	0	0	818	NYG3204396		
2	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,	HEGCL	NORLITE	SAN21598	INCIN	15-Mar-02	0	931	931	931	0	0	819	NYG3318606		
43	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,	HEGCL	NORLITE	SAN21598	INCIN	15-Mar-02	0	17,203	17,203	17,203	0	0	819	NYG3318606		
1	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	SAN21590	INCIN	15-Mar-02	4,321	32,408	32,408	32,408	0	0	822	NYG3204405		
3	SOLID CARBON UNITS	HAZ	F002, F005	Effluent Filters	ENVIROTROL		RECYC	21-Mar-02	0	22,500	22,500	0	0	22,500	823	PAG312144	AUTUMN IND	
15	WASTE HAZ SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	WMDS13781	INCIN	27-Mar-02	0	5,809	5,809	5,809	0	0	824	AR1294906		
4	WASTE TMTC	HAZ	D003, F005	TMTC	ENSCO	WMDS13930	INCIN	27-Mar-02	0	2,665	2,665	2,665	0	0	824	AR1294906		
1	WASTE BUCL	HAZ	D001, D002, D003	BUCL	ENSCO	WMDS13930	INCIN	27-Mar-02	0	121	121	121	0	0	824	AR1294906		
11	WASTE CAUSTIC	HAZ	D002		ENSCO	WMDS13930	INCIN	27-Mar-02	0	4,983	4,983	4,983	0	0	824	AR1294906		
										435.78	435.78	281.19	95.78	58.81				

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1	WASTE TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	OW11243	INCIN	4-Apr-02	5,855	48,831	41,180	41,180	0	0	827	NJA40872	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	OW11243	INCIN	4-Apr-02	5,740	40,754	40,754	40,754	0	0	828	NJA40872	BUFF FUEL	
2	WASTE CARBON UNIT	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	8-Apr-02	0	11,080	11,080	2,770	0	8,310	830	PAG31214	AUTUMN IND	
1	WASTE TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	J51201	INCIN	8-Apr-02	6,000	42,600	42,600	42,600	0	0	831	MI866648	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	10-Apr-02	0	42,400	42,400	42,400	0	0	833	MI866649	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	INCIN	11-Apr-02	4,860	34,506	34,506	34,506	0	0	834	NJA40872	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	12-Apr-02	5,508	39,106	39,106	39,106	0	0	835	MI866649	BUFF FUEL	
2	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022	FC102	NORLITE	ST004502	INCIN	12-Apr-02	0	876	876	876	0	0	836	NYG33181	UNITED IND	
9	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022	FC102	NORLITE	ST004502	INCIN	12-Apr-02	0	3,964	3,964	3,964	0	0	836	NYG33181	UNITED IND	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EI DUPONT	OW11243	INCIN	16-Apr-02	5,824	41,350	41,350	41,350	0	0	838	NJA40872	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	18-Apr-02	6,000	42,600	42,600	42,600	0	0	839	MI866649	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	19-Apr-02	5,900	41,890	41,890	41,890	0	0	840	MI866649	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EI DUPONT	OW11243	INCIN	23-Apr-02	5,485	38,944	38,944	38,944	0	0	841	NJA40871	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	24-Apr-02	5,900	41,890	41,890	41,890	0	0	842	MI866648	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EI DUPONT	OW11243	INCIN	25-Apr-02	5,485	38,944	38,944	38,944	0	0	843	NJA40871	BUFF FUEL	

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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	
1	WASTE DMF	HAZ	D001	ACL	NORLITE	SAN216123	INCIN	26-Apr-02	2,944	22,098	22,098	22,098	0	0	844	NYG33177	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	30-Apr-02	6,000	42,600	42,600	42,600	0	0	845	MI8666488	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	2-May-02	6,000	42,600	42,600	42,600	0	0	846	MI8666487	BUFF FUEL	
2	WASTE CARBON UNIT	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	3-May-02	0	12,340	12,340	3,085	0	9,255	847	PAG31214	AUTUMN IND	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	3-May-02	6,000	42,600	42,600	42,600	0	0	848	MI8666488	BUFF FUEL	
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	8-May-02	6,000	42,600	42,600	42,600	0	0	849	MI8666484	BUFF FUEL	
18	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	10-May-02	0	7,492	7,492	7,492	0	0	850	AR129486	HAZMAT	
11	WASTE POH	HAZ	D001	PNBC	ENSCO	1393067	INCIN	10-May-02	0	4,476	4,476	4,476	0	0	850	AR129486	HAZMAT	
14	WASTE AMIDE CLOR	HAZ	D003	ACL	ENSCO	1393044	INCIN	10-May-02	0	1,469	1,469	1,469	0	0	850	AR129486	HAZMAT	
1	WASTE TMTC	HAZ	D003, F005	TMTC	ENSCO	1393020	INCIN	10-May-02	0	400	400	400	0	0	850	AR129486	HAZMAT	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	10-May-02	2,950	20,945	20,945	20,945	0	0	852	MI7513967	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	13-May-02	6,000	42,600	42,600	42,600	0	0	853	MI7513999	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	17-May-02	6,000	42,600	42,600	42,600	0	0	854	MI7513997	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	29-May-02	6,000	42,600	42,600	42,600	0	0	855	MI7513996	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	3-Jun-02	6,000	42,600	42,600	42,600	0	0	856	MI7513994	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	INCIN	5-Jun-02	5,300	37,630	37,630	37,630	0	0	857	NJA40872	BUFF FUEL	
3	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,		NORLITE	ST004502	INCIN	6-Jun-02	0	1,334	1,334	1,334	0	0	858	NYG33174	UNITED IND	

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57	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,		NORLITE	ST004502	INCIN	6-Jun-02	0	23,266	23,266	23,266	0	0	858	NYG33174	UNITED IND	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	7-Jun-02	5,820	41,322	41,322	41,322	0	0	860	MI7513994	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	12-Jun-02	5,820	41,322	41,322	41,322	0	0	861	MI7513994	BUFF FUEL	
2	SOLID CARBON UNITS	HAZ	F002, F005	Plant Effluent	ENVIRO TROL		RECYC	14-Jun-02	0	12,220	12,220	3,055	0	9,165	862	PAG31241	AUTUMN IND	
1	WASTE ETHANOL/MET	HAZ	D001		NORLITE	0209-01	INCIN	20-Jun-02	6,300	44,730	44,730	44,730	0	0	863	NYG32043	BUFF FUEL	
1	WASTE TOL/METH	HAZ	D001, F005, F003		EI DUPONT	OW11243	INCIN	21-Jun-02	3,944	28,002	28,002	28,002	0	0	864	NJA40871	BUFF FUEL	
1	WASTE ETHANOL/MET	HAZ	D001		NORLITE	0209-01	INCIN	21-Jun-02	0	25,730	25,730	25,730	0	0	865	NYG33190	BUFF FUEL	
16	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	WMDS1378	INCIN	21-Jun-02	0	5,524	5,524	5,524	0	0	866	AR129475	HAZMAT	
2	WASTE ETHYLAMINE	HAZ	D001, D002		ENSCO	WMDS1392	INCIN	21-Jun-02	0	736	736	736	0	0	866	AR129475	HAZMAT	
6	WASTE TOL/ACI	HAZ	D001, D003, F005		ENSCO	WMDS1392	INCIN	21-Jun-02	0	2,040	2,040	2,040	0	0	866	AR129475	HAZMAT	
8	WASTE SODIUM HYD	HAZ	D002		ENSCO	WMDS1393	INCIN	21-Jun-02	0	3,022	3,022	3,022	0	0	866	AR129475	HAZMAT	
5	WASTE POH	HAZ	D001		ENSCO	WMDS1393	INCIN	21-Jun-02	0	1,904	1,904	1,904	0	0	867	AR129475	HAZMAT	
2	WASTE ACI	HAZ	D003		ENSCO	WMDS1393	INCIN	21-Jun-02	0	342	342	342	0	0	867	AR129475	HAZMAT	

TONS NOT SUBJECT TO ASSESSMENT	13.4	594.4	590.6	577.2	0.0	13.4
TONS SUBJECT TO ASSESSMENT	577.2					
\$ FOR INCINERATION	\$ 5,195.24					
\$ FOR TREATMENT	\$ -					
TOTAL ASSESSMENT	\$ 5,195.24					

1	WASTE TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	OW11243	WWT	4-Apr-02	5,855	48,831	48,831		48,831	0	827			
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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	
1	WASTE TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	OW11243	WWT	4-Apr-02	5,740	47,872	47,872		47,872	0	828			
2	WASTE CARBON UNIT	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	8-Apr-02	0	11,080	11,080	2,770	0	8,310	830			
1	WASTE TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	J51201	WWT	8-Apr-02	6,000	50,040	50,040		50,040	0	831			
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	10-Apr-02	0	42,400	42,400	42,400	0	0	833			
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	11-Apr-02	4,860	40,532	40,532		40,532	0	834			
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	12-Apr-02	5,508	41,310	41,310	41,310	0	0	835			
2	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022	FC102	NORLITE	ST004502	INCIN	12-Apr-02	0	876	876	876	0	0	836			
9	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022	FC102	NORLITE	ST004502	INCIN	12-Apr-02	0	3,964	3,964	3,964	0	0	836			
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EI DUPONT	OW11243	WWT	16-Apr-02	5,824	48,572	48,572		48,572	0	838			
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	18-Apr-02	6,000	45,000	45,000	45,000	0	0	839			
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	19-Apr-02	5,900	44,250	44,250	44,250	0	0	840			
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EI DUPONT	OW11243	WWT	23-Apr-02	5,485	45,745	45,745		45,745	0	841			
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	24-Apr-02	5,900	44,250	44,250	44,250	0	0	842			
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EI DUPONT	OW11243	WWT	25-Apr-02	5,485	45,745	45,745		45,745	0	843			
1	WASTE DMF	HAZ	D001	ACL	NORLITE	SAN216123	INCIN	26-Apr-02	2,944	22,080	22,080	22,080	0	0	844			

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1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	30-Apr-02	6,000	45,000	45,000	45,000	0	0	845			
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	2-May-02	6,000	45,000	45,000	45,000	0	0	846			
2	WASTE CARBON UNIT	HAZ	F002, F005	Plant Effluent	ENVIROTROL		RECYC	3-May-02	0	12,340	12,340	3,085	0	9,255	847			
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	3-May-02	6,000	45,000	42,600	42,600	0	0	848			
1	WASTE TOL/METH	HAZ	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	8-May-02	6,000	45,000	42,600	42,600	0	0	849			
18	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	10-May-02	0	7,492	7,492	7,492	0	0	850			
11	WASTE POH	HAZ	D001	PNBC	ENSCO	1393067	INCIN	10-May-02	0	4,476	4,476	4,476	0	0	850			
14	WASTE AMIDE CLOR	HAZ	D003	ACL	ENSCO	1393044	INCIN	10-May-02	0	1,469	1,469	1,469	0	0	850			
1	WASTE TMTC	HAZ	D003, F005	TMTC	ENSCO	1393020	INCIN	10-May-02	0	400	400	400	0	0	850			
5	WASTE NON NBI	NON		PTSI	ENSCO	1393036	INCIN	10-May-02	0	953	953	953	0	0	851			
12	WASTE NON PHCF	NON		PHCF	ENSCO	1378189	INCIN	10-May-02	0	5,884	5,884	5,884	0	0	851			
14	WASTE PTSI RESIDUE	NON		PTSI	ENSCO	225079	INCIN	10-May-02	0	7,763	7,763	7,763	0	0	851			
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	10-May-02	2,950	22,125	22,125	22,125	0	0	852			
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	13-May-02	6,000	45,000	45,000	45,000	0	0	853			
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	17-May-02	6,000	45,000	45,000	45,000	0	0	854			
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	29-May-02	6,000	45,000	45,000	45,000	0	0	855			
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	3-Jun-02	6,000	45,000	45,000	45,000	0	0	856			
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	INCIN	5-Jun-02	5,300	39,750	39,750	39,750	0	0	857			

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3	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,	HEGCL	NORLITE	ST004502	INCIN	6-Jun-02	0	1,334	1,334	1,334	0	0	858			
57	WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,	HEGCL	NORLITE	ST004502	INCIN	6-Jun-02	0	23,266	23,266	23,266	0	0	858			
1	WASTE NON REG SOLID	NON		FC102	BRIDGEPORT	2390DE4	INCIN	6-Jun-02	0	108	108	108	0	0	859			
14	WASTE NON REG CARB	NON		Carbaest er	BRIDGEPORT	0927DE4	INCIN	6-Jun-02	0	6,125	6,125	6,125	0	0	859			
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	7-Jun-02	5,820	43,650	43,650	43,650	0	0	860			
1	WASTE TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	12-Jun-02	5,820	43,650	43,650	43,650	0	0	861			
2	SOLID CARBON UNITS	HAZ	F002, F005	Plant Effluent	ENVIROTRON		RECYC	14-Jun-02	0	12,220	12,220	0	0	12,220	862			
1	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	0209-01	INCIN	20-Jun-02	6,300	47,250	47,250	47,250	0	0	863			
1	WASTE TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	OW11243	WWT	21-Jun-02	3,944	32,893	32,893		32,893	0	864			
1	WASTE ETHANOL/MET	HAZ	D001	FC102	NORLITE	0209-01	INCIN	21-Jun-02	0	25,730	25,730	25,730	0	0	865			
16	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	WMDS1378	INCIN	21-Jun-02	0	5,524	5,524	5,524	0	0	866			
2	WASTE ETHYLAMINE	HAZ	D001, D002		ENSCO	WMDS1392	INCIN	21-Jun-02	0	736	736	736	0	0	866			
6	WASTE TOL/ACI	HAZ	D001, D003, F005	ACL	ENSCO	WMDS1392	INCIN	21-Jun-02	0	2,040	2,040	2,040	0	0	866			
8	WASTE SODIUM HYD	HAZ	D002	Plant Effluent	ENSCO	WMDS1393	INCIN	21-Jun-02	0	3,022	3,022	3,022	0	0	866			
5	WASTE POH	HAZ	D001	PNBC	ENSCO	WMDS1393	INCIN	21-Jun-02	0	1,904	1,904	1,904	0	0	867			
2	WASTE ACI	HAZ	D003	ACL	ENSCO	WMDS1393	INCIN	21-Jun-02	0	342	342	342	0	0	867			
10	WASTE NON REG PTSI	NON		PTSI	ENSCO	WMDS2250	INCIN	21-Jun-02	0	5,584	5,584	5,584	0	0	868			
8	WASTE NON REG PHCF	NON		PHCF	ENSCO	WMDS1378	INCIN	21-Jun-02	0	3,526	3,526	3,526	0	0	868			
1	WASTE PETROLEUM NAP	NON		Parts Cleaner	SAFETY KL	NY10827JF	TREATED	25-Jun-02	26	208	0	0			869			

652 650 455 180

Rev[illegible]

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Total tons hazardous waste	0.0	\$0.00
Total tons incineration	0.0	\$0.00
Total tons wwt	0.0	\$0.00
Total tons recycle	0.0	\$0.00
Tons recycle incineration	0.0	0

2002 HAZARDOUS WASTE REPORT WORKSHEET

Rev

WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
WASTE ACE/4METHCF	HAZ	D001, D002, D003, F003	MSECF	ENSCO	1419625	INCIN	7-Oct-02	385	385	385	0	0	899	AR1294807	HAZMAT	
WASTE ACE/HCL	HAZ	D001, D002, F002, F003, F005, D021, D022		ENSCO	1419718	INCIN	6-Dec-02	400	400	400	0	0	917	AR1294591	HAZMAT	
WASTE ACE/PHCF	HAZ	D001, D002, D003, F003		ENSCO	155776	INCIN	27-Dec-02	1324	1324	1324	0	0	923	AR1363933	HAZMAT	
WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	15-Nov-02	5,157	5,157	5,157	0	0	910	AR1294590	HAZMAT	
WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	15-Nov-02	464	464	464	0	0	910	AR1294590	HAZMAT	
WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	6-Dec-02	1,597	1,597	1,597	0	0	917	AR1294591	HAZMAT	
WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	6-Dec-02	12,416	12,416	12,416	0	0	917	AR1294591	HAZMAT	
WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	27-Dec-02	2942	2942	2942	0	0	923	AR1363933	HAZMAT	
WASTE ACE/TOLUENE	HAZ	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	27-Dec-02	5080	5080	5080	0	0	923	AR1363933	HAZMAT	
WASTE ACL	HAZ	D003	ACL	ENSCO	1393044	INCIN	25-Oct-02	77	77	77	0	0	905	AR1294589	HAZMAT	
WASTE DEA	HAZ	D001	Lecture Bottles	SET ENVIR	ERG118	INCIN	15-Nov-02	5	5	5	0	0	911	02623144	HAZMAT	
WASTE DEA/TOL	HAZ	D001, F003, F005	HEGCL	NORLITE	ST023302	INCIN	8-Oct-02	16,540	16,540	16,540	0	0	902	NYG3544641	BUFF FUEL	
WASTE ETHYLAMINE	HAZ	D001	Lecture Bottles	SET ENVIR	ERG118	INCIN	15-Nov-02	5	5	5	0	0	911	02623144	HAZMAT	
WASTE ETHYLENE	HAZ	D001	Lecture Bottles	SET ENVIR	ERG119	INCIN	15-Nov-02	10	10	10	0	0	911	02623144	HAZMAT	
WASTE HCL	HAZ	D002		ENSCO	1328156	INCIN	25-Oct-02	408	408	408	0	0	905	AR1294589	HAZMAT	
WASTE LIQUID	HAZ	F002, F003, F005, D021		ENSCO	1398655	INCIN	25-Oct-02	5,811	5,811	5,811	0	0	905	AR1294589	HAZMAT	
WASTE LIQUID	HAZ	F002, F003, F005, D021		ENSCO	1408337	INCIN	25-Oct-02	386	386	386	0	0	905	AR1294589	HAZMAT	
WASTE LIQUID	HAZ	F002, F003, F005, D021		ENSCO	1398655	INCIN	6-Dec-02	524	524	524	0	0	917	AR1294591	HAZMAT	
WASTE MET/SOD HYD	HAZ	D001, D002, F003		ENSCO	1434042	INCIN	27-Dec-02	1244	1244	1244	0	0	924	AR1363934	HAZMAT	
WASTE NAOH	HAZ	D002		ENSCO	1393023	INCIN	6-Dec-02	2,682	2,682	2,682	0	0	917	AR1294591	HAZMAT	
WASTE POH	HAZ	D001	PNBC	ENSCO	1393007	INCIN	25-Oct-02	120	120	120	0	0	905	AR1294589	HAZMAT	
WASTE POH	HAZ	D001	PNBC	ENSCO	1393067	INCIN	6-Dec-02	2,130	2,130	2,130	0	0	917	AR1294591	HAZMAT	
WASTE SLUDGE	HAZ	F002, F003, F005	Plant Effluent	ENSCO	1398655	INCIN	18-Oct-02	40,625	40,625	40,625	0	0	904	AR1294598	HAZMAT	
WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	7-Oct-02	100	100	100	0	0	899	AR1294807	HAZMAT	
WASTE SOLID	HAZ	F003, F003, F005, D021, D022		ENSCO	1378178	INCIN	25-Oct-02	5,392	5,392	5,392	0	0	905	AR1294589	HAZMAT	
WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	15-Nov-02	1,803	1,803	1,803	0	0	910	AR1294590	HAZMAT	
WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	6-Dec-02	5,996	5,996	5,996	0	0	917	AR1294591	HAZMAT	
WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	27-Dec-02	6004	6004	6004	0	0	923	AR1363933	HAZMAT	
WASTE TMTC	HAZ	D003, F005	TMTC	ENSCO	1393020	INCIN	25-Oct-02	2,849	2,849	2,849	0	0	905	AR1294589	HAZMAT	
WASTE TMTC	HAZ	D003, F005	TMTC	ENSCO	1393020	INCIN	6-Dec-02	1,100	1,100	1,100	0	0	917	AR1294591	HAZMAT	
WASTE TOL/ACI	HAZ	D001, D003, F005	ACL	ENSCO	1392551	INCIN	15-Nov-02	3,770	3,770	3,770	0	0	910	AR1294590	HAZMAT	
WASTE TOL/ACI	HAZ	D001, D003, F005		ENSCO	1392551	INCIN	6-Dec-02	2,871	2,871	2,871	0	0	917	AR1294591	HAZMAT	
WASTE TOL/ACI	HAZ	D001, D003, F005		ENSCO	1392551	INCIN	27-Dec-02	543	543	543	0	0	924	AR1363934	HAZMAT	
WASTE TOL/METH	HAZ	F005, F003		EI DUPONT	OW11243	INCIN	7-Oct-02	17,414	17,414	17,414	0	0	901	NJA4087184	BUFF FUEL	
WASTE TOL/METH	HAZ	D001, F003, F005		EQ RESOURCE	J51201	INCIN	12-Dec-02	47,250	47,250	47,250	0	0	918	MI7513984	BUFF FUEL	
WASTE TOL/METH	HAZ	D001, D002, F003		EQ RESOURCE	J51201	INCIN	12-Dec-02	45,000	45,000	45,000	0	0	920	MI7513983	BUFF FUEL	
WASTE TOL/METH	HAZ	D001, D002, F003		EI DUPONT	OW11243	INCIN	13-Dec-02	40,415	40,415	40,415	0	0	921	NJA4087186	BUFF FUEL	

2002 HAZARDOUS WASTE REPORT WORKSHEET																
Rev																
WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
WASTE TOL/METH	HAZ	D001, D002, F003		EI DUPONT	OW11243	INCIN	16-Dec-02	23,581	23,581	23,581	0	0	922	NJA4087187	BUFF FUEL	
WASTE TOLUENE	HAZ	D001, F005	PHCF	EQ RESOURCE	J41302	INCIN	22-Nov-02	9,386	9,386	9,386	0	0	913	MI7612354	BUFF FUEL	
WASTE TOLUENE	HAZ	D001, F005	PHCF	EQ RESOURCE	J41302	INCIN	22-Nov-02	41,154	41,154	41,154	0	0	914	MI7612355	BUFF FUEL	
WASTE VINYL CL	HAZ	D001	Lecture Bottles	SET ENVIR	ERG116	INCIN	15-Nov-02	5	5	5	0	0	911	02623144	HAZMAT	
WASTE XY 345TMBCL	HAZ	D001, D002, F003	TMBCL	ENSCO	1419663	INCIN	25-Oct-02	1,030	1,030	1,030	0	0	905	AR1294589	HAZMAT	
WASTE XYL METH	HAZ	D001	TMBCL	EQ RESOURCE	J51201	INCIN	1-Nov-02	31,583	31,583	31,583	0	0	908	MI8666866	BUFF FUEL	
WASTE XYL/TMBCL	HAZ	D001, D002, F003	TMBCL	ENSCO	1419663	INCIN	6-Dec-02	3,970	3,970	3,970	0	0	917	AR1294591	HAZMAT	
WASTE METHANOL	HAZ	D001, F003		EQ RESOURCE	L41702	INCIN	6-Dec-02	36,898	36,898	36,898			916	MI8666171	BUFF FUEL	
								428,446								
WASTE SPENT CARBON	HAZ	F002, F005	Plant Effluent	ENVIROTROL	WW15524	RECYC	11-Oct-02	12,000	12,000	0	0	12,000	903	PAG366340	AUTUMN IND	
WASTE SPENT CARBON	HAZ	F002, F005	Plant Effluent	ENVIROTROL	16160	RECYC	5-Nov-02	4,000	4,000	0	0	4000	909	PAG366339	AUTUMN IND	
WASTE SPENT CARBON	HAZ	F002, F005		ENVIROTROL	ERG 171	RECYC	26-Nov-02	8,200	8,200	0	0	8200	915	PAG366325	AUTUMN IND	
								24,200								
CHLORINE	HAZ	D002	Lecture Bottles	SET ENVIR	ERG124	TREATED	15-Nov-02	10	10	0	0	10	912	02623145	HAZMAT	
WASTE SODIUM HYD	HAZ	D002, D005		CWM CHEM	BY1701	TREATED	25-Oct-02	520	520	0			907	NYG3544092	HAZMAT	
								530		214	0	12				

TOTAL WEIGHT

453,176214.2228254

	TONS	DOLLARS
total tons generated	226.6	
tons not subjet to assessi	12.1	
ton subject to assessmer	214.5	
tons incinerated	214.2	\$1,928.01
tons wwt	0.3	\$4.24
total assessment due		\$1,932.25

QTY	DESCRIPTION	WASTE	PROCESS	TSDF	APPROVAL	METHOD	DATE	VOL	TOTAL WT.	HAZ. WT.	INCINERATION	WWT	RECYCLE / REC	DOC	WASTE SUM
WASTE N															
24	NDIMETHYL	HAZ	ACL	C HARBOR	CH131343	INCIN	18-Jan-02	0	10,161	10,161	10,161	0	0	795	10,161
43	NON HAZ AVANEL	NON	Avanel	NORLITE	ST007102	INCIN	10-Apr-02	0	18,146	0	18,146	0	0	832	64,310
44	NON HAZ AVANEL	NON	Avanel	NORLITE	ST007202	INCIN	10-Apr-02	0	18,125	0	18,125	0	0	832	
35	NON HAZ AVANEL	NON	Avanel	NORLITE	ST00712	INCIN	12-Apr-02	0	14,535	0	14,535	0	0	837	
32	NON HAZ AVANEL	NON	Avanel	NORLITE	ST007202	INCIN	12-Apr-02	0	13,504	0	13,504	0	0	837	
1	WASTE BCF METH	HAZ	BCF	C HARBOR	CH124265	INCIN	18-Jan-02	0	399	399	399	0	0	795	710
1	WASTE BCF/METH	HAZ	BCF	C HARBORS	CH183171	INCIN	24-Jan-02	0	311	311	311	0	0	804	
2	WASTE BUT/POH	HAZ	BUCL	C HARBOR	CH156189	INCIN	18-Jan-02	0	835	835	835	0	0	794	956
1	WASTE BUCL	HAZ	BUCL	ENSCO	WMDS1393021	INCIN	27-Mar-02	0	121	121	121	0	0	824	
1	FLAM LIQ TOL/MET	HAZ	FC102	EQ RESOURCE	J51201	INCIN	7-Jan-02	5960	42,316	42,316	42,316	0	0	785	917,553
1	FLAM LIQ TOL/MET	HAZ	FC102	EI DUPONT	OW11243	INCIN	8-Jan-02	4901	34,797	34,797	34,797	0	0	787	
1	FLAM LIQ TOL/MET	HAZ	FC102	EQ RESOURCE	J51201	INCIN	9-Jan-02	6000	42,600	42,600	42,600	0	0	788	
1	FLAM LIQ TOL/MET	HAZ	FC102	EI DUPONT	OW11243	INCIN	10-Jan-02	6000	42,600	42,600	42,600	0	0	789	
1	FLAM LIQ TOL/MET	HAZ	FC102	EQ RESOURCE	J51201	INCIN	14-Jan-02	5960	42,316	42,316	42,316	0	0	790	
1	FLAM LIQ TOL/MET	HAZ	FC102	EI DUPONT	OW11243	INCIN	15-Jan-02	5200	36,920	36,920	36,920	0	0	792	
1	FLAM LIQ TOL/MET	HAZ	FC102	EQ RESOURCE	J51201	INCIN	16-Jan-02	6000	42,600	42,600	42,600	0	0	793	
4	WASTE ACE/METH	HAZ	FC102	C HARBOR	CH124262	INCIN	18-Jan-02	0	829	829	829	0	0	798	
3	WASTE ACE/METH	HAZ	FC102	C HARBORS	CH124262	INCIN	24-Jan-02	0	938	938	938	0	0	804	
1	WASTE TOL/METH	HAZ	FC102	EQ RESOURCE	J51201	INCIN	30-Jan-02	5800	41,180	41,180	41,180	0	0	806	
1	WASTE TOL/METH	HAZ	FC102	EQ RESOUR	J51201	INCIN	6-Feb-02	6000	42,600	42,600	42,600	0	0	809	
1	WASTE ETHANOL	HAZ	FC102	NORLITE	SAN215919	INCIN	15-Feb-02	6002	42,614	42,614	42,614	0	0	810	
1	WASTE ETHANOL	HAZ	FC102	NORLITE	SAN215944	INCIN	27-Feb-02	6000	42,600	42,600	42,600	0	0	812	
1	WASTE ETHANOL	HAZ	FC102	NORLITE	SAN215956	INCIN	6-Mar-02	5960	42,316	42,316	42,316	0	0	813	
1	WASTE ETHANOL	HAZ	FC102	NORLITE	SAN215978	INCIN	13-Mar-02	6000	42,600	42,600	42,600	0	0	818	
2	WASTE ACE/TOLU	HAZ	FC102	NORLITE	SAN215982	INCIN	15-Mar-02	0	931	931	931	0	0	819	
43	WASTE ACE/TOLU	HAZ	FC102	NORLITE	SAN215982	INCIN	15-Mar-02	0	17,203	17,203	17,203	0	0	819	
1	WASTE ETHANOL	HAZ	FC102	NORLITE	SAN215903	INCIN	15-Mar-02	4321	30,679	30,679	0	0	0	822	
2	NON HAZ CLEAN	NON	FC102	ENSCO	WMDS1393015	INCIN	27-Mar-02	0	373	0	373	0	0	825	
1	WASTE TOL/METH	HAZ	FC102	EI DUPONT	OW11243	INCIN	4-Apr-02	5855	41,180	41,180	41,180	0	0	827	
1	WASTE TOL/METH	HAZ	FC102	EI DUPONT	OW11243	INCIN	4-Apr-02	5740	40,754	40,754	40,754	0	0	828	

QTY	DESCRIPTION	WASTE	PROCESS	TSDF	APPROVAL	METHOD	DATE	VOL	TOTAL WT.	HAZ. WT.	INCINERATION	WWT	RECYCLE / REC	DOC	WASTE SUM
1	WASTE TOL/METH	HAZ	FC102	EI DUPONT	J51201	INCIN	8-Apr-02	6000	42,600	42,600	42,600	0	0	831	
1	WASTE TOL/METH	HAZ	FC102	EQ RESOUR	J51201	INCIN	10-Apr-02	0	42,400	42,400	42,400	0	0	833	
1	WASTE TOL/METH	HAZ	FC102	EI DUPONT	OW11243	INCIN	11-Apr-02	4860	34,506	34,506	34,506	0	0	834	
1	WASTE TOL/METH	HAZ	FC102	EQ RESOUR	J51201	INCIN	12-Apr-02	5508	39,106	39,106	36,106	0	0	835	
2	WASTE ACE/TOLU	HAZ	FC102	NORLITE	ST004502	INCIN	12-Apr-02	0	876	876	876	0	0	836	
9	WASTE ACE/TOLU	HAZ	fc102	NORLITE	ST004502	INCIN	12-Apr-02	0	3,964	3,964	3,964	0	0	836	
1	WASTE TOL/METH	HAZ	fc102	EI DUPONT	OW11243	INCIN	16-Apr-02	5824	41,350	41,350	41,350	0	0	838	
1	WASTE TOL/METH	HAZ	FC102	EI DUPONT	OW11243			5888	41,805	41,805	41,805	0	0	808	

2	WASTE TOLUENE	HAZ	HEGCL	C HARBORS	CH157112	INCIN	24-Jan-02	0	928	928	928	0	0	805	14,274
29	WASTE DEA	HAZ	HEGCL	C HARBORS	CH131343	INCIN	24-Jan-02	0	11,346	11,346	11,346	0	0	805	
1	WASTE SOLID	HAZ	HEGCL	CALGON	CAN2542R	RECYC	30-Jan-02	0	2,000	2,000	0	0	2000	807	
2	WASTE HYD CL A	HAZ	LAB	SAFETY KL	00762-304C	TREATED	6-Mar-02	0	10	10	0	10	0	814	65
1	WASTE DEA ANHY	HAZ	LAB	SAFETY KL	33762-156C	TREATED	6-Mar-02	0	5	5	0	5	0	814	
2	WASTE CHLORINI	HAZ	LAB	SAFETY KL	00762-068C	TREATED	6-Mar-02	0	10	10	0	10	0	814	
1	WASTE CYANOGE	HAZ	LAB	SAFETY KL	00762-104C	TREATED	6-Mar-02	0	5	5	0	5	0	814	
1	WASTE METH ANI	HAZ	LAB	SAFETY KL	00762-335C	TREATED	6-Mar-02	0	5	5	0	5	0	815	
1	AMMONIA ANHY	NON	LAB	SAFETY KL	00762-013C	TREATED	6-Mar-02	0	5	0	0	5	0	816	
5	COMPRESSED GA	NON	LAB	SAFETY KL	00762-SAMP		6-Mar-02	0	25	0	0			817	
16	NON HAZ PHCF	NON	PHCF	ENSCO	WMDS1378189	INCIN	27-Mar-02	0	7,983	0	7,983	0	0	825	7,983
3	WASTE DIOXANE	HAZ	Pilot Lab	C HARBOR	CH117739	INCIN	18-Jan-02	0	1,097	1,097	1,097	0	0	794	1,097
3	SOLID CARBON U	HAZ	PLANT	ENVIROTROL		RECYC	7-Aug-61	0	22,500	22,500	0	0	22500	823	135,787
4	WASTE CARBON UNIT	HAZ	PLANT	ENVIROTROL		RECYC	22-Jan-02	0	22,000	22,000	0	0	22000	801	
4	WASTE CARBON UNIT	HAZ	PLANT	ENVIROTROL		RECYC	24-Jan-02	0	28,980	28,980	0	0	28980	802	
1	NON REG MATERIAL	NON	PLANT	C HARBORS	CH157113	STORAGE	24-Jan-02	0	421	0	0	0	0	803	
4	NON REG MATERIAL	NON	Plant	C HARBORS	CH157110	STORAGE	24-Jan-02	0	1,489	0	0	0	0	803	
3	WASTE ACETONE	HAZ	Plant	C HARBORS	CH183167	INCIN	24-Jan-02	0	845	845	845	0	0	805	
1	WASTE CARBON	HAZ	Plant	ENVIROTROL		RECYC	27-Feb-02	0	7,140	7,140	0	0	7140	811	
1	WASTE OIL	NON	Plant	NORLITE	SAN215982	LANDFILL	15-Mar-02	0	400	0	0	0	0	820	
11	WASTE CAUSTIC	HAZ	PLANT	ENSCO	WMDS1393023	INCIN	27-Mar-02	0	4,983	4,983	4,983	0	0	824	
1	WASTE CAUSTIC	HAZ	Plant	C HARBOR	CH183158	INCIN	18-Jan-02	0	500	500	500	0	0	797	
4	WASTE ACETONE	HAZ	Plant	C HARBOR	CH183167	INCIN	18-Jan-02	0	1,129	1,129	1,129	0	0	798	
7	SOLID CARBON UNITS	HAZ	PLANT	ENVIROTROL		RECYC	14-Jan-02	0	35,000	35,000	0	0	35000	791	
2	WASTE CARBON	HAZ	PLANT	ENVIROTROL		RECYC	8-Apr-02	0	10,400	10,400	0	0	10400	830	

QTY	DESCRIPTION	WASTE	PROCESS	TSDF	APPROVAL	METHOD	DATE	VOL	TOTAL WT.	HAZ. WT.	INCINERATION	WWT	RECYCLE / REC	DOC	WASTE SUM
9	WASTE POH	HAZ	PNBC	C HARBOR	CH183013	INCIN	18-Jan-02	0	3,634	3,634	3,634	0	0	794	4,895
2	WASTE PNBC	HAZ	PNBC	C HARBOR	CH183168	INCIN	18-Jan-02	0	900	900	900	0	0	796	
1	WASTE MCB DEA	HAZ	PNBC	C HARBOR	CH147725	INCIN	18-Jan-02	0	199	199	199	0	0	796	
1	TOXIC LIQUID PNBC	NON	PNBC	C HARBORS	CH147741	STORAGE	24-Jan-02	0	162	0	0	0	0	803	11,613
3	WASTE MCB	HAZ	PTSI	C HARBOR	CH154636	INCIN	18-Jan-02	0	1,500	1,500	1,500	0	0	794	
3	WASTE MCB	HAZ	PTSI	C HARBOR	CH124412	INCIN	18-Jan-02	0	1,334	1,334	1,334	0	0	795	
2	WASTE MCB / FUEL OIL	HAZ	PTSI	C HARBOR	CH131275	INCIN	18-Jan-02	0	1,100	1,100	1,100	0	0	795	
5	WASTE PTSI	HAZ	PTSI	C HARBOR	CH183171	INCIN	18-Jan-02	0	2,807	2,807	2,807	0	0	799	
6	NON REG TAR	NON	PTSI	C HARBORS	CH124261	STORAGE	24-Jan-02	0	3,241	0	0	0	0	803	
2	WASTE PTSA/ACE	HAZ	PTSI	C HARBORS	CH131345	INCIN	24-Jan-02	0	765	765	765	0	0	804	
1	WASTE FUEL OIL	HAZ	PTSI	C HARBORS	CH131275	INCIN	24-Jan-02	0	478	478	478	0	0	805	11,150
2	NON HAZ WOOD	NON	PTSI	ENSCO	WMDS1378180	INCIN	27-Mar-02	0	270	0	270	0	0	825	
1	NON HAZ NBI	NON	PTSI	ENSCO	WMDS1393036	INCIN	27-Mar-02	0	118	0	118	0	0	826	
2	WASTE TMTC/TOL	HAZ	TMTC	C HARBOR	CH158110	INCIN	18-Jan-02	0	1,103	1,103	1,103	0	0	797	
5	WASTE TMTC/TOL	HAZ	TMTC	C HARBOR	CH158113	INCIN	18-Jan-02	0	2,990	2,990	2,990	0	0	797	
10	WASTE TMTC/TOL	HAZ	TMTC	C HARBOR	CH158118	INCIN	18-Jan-02	0	4,392	4,392	4,392	0	0	797	
4	WASTE TMTC	HAZ	TMTC	ENSCO	WMDS1393020	INCIN	27-Mar-02	0	2,665	2,665	2,665	0	0	824	
2	WASTE NITRILES	HAZ	LAB	C HARBOR	CH156112	INCIN	18-Jan-02	0	121	121	121	0	0	796	
5	NON HAZARDOUS	NON	phosgene	BRIDGEPORT	0927DN4	STORAGE	15-Mar-02	0	1,526	0	0	0	0	821	
14	NON HAZARDOUS	NON	PTSI	BRIDGEPORT	0928DN4	STORAGE	15-Mar-02	0	7,604	0	0	0	0	821	
15	WASTE HAZ SOLI	HAZ	pcf	ENSCO	WMDS1378178	INCIN	27-Mar-02	0	5,809	5,809	5,809	0	0	824	
										548.76	472.27	0.02	64.01		

AMIDE CHLORIDE	10,161
AVENAL	64,310
BENZYL CHLOROFORMATE	710
BUTRYL CHLORIDE	956
FC102	917,553
HEGCL	14,274
LAB	1,283
PHENYL CHLOROFORMATE	13,792
PLANT	135,787

QTY	DESCRIPTION	WASTE	PROCESS	TSDF	APPROVAL	METHOD	DATE	VOL	TOTAL WT.	HAZ. WT.	INCINERATION	WWT	RECYCLE / REC	DOC	WASTE SUM
	PNBC		4,895												
	PTSI		19,217												
	TMTC		11,150												
	phosgene		1,526												
	miscellaneous		2,482												
	total		1,195,614												

2002 WASTE DISPOSAL

Waste Description	Waste Letter	Total Ton	Site 1-ENSCO ARD069748192	Site 2-Norlite NYD080469935	Site 3-BDT NYD000632372	Site 4-EQRR MID050975844	Site 5-DuPont NJD002385730	Site 6-Calgon PAD000736942	Site 7-CH Balt MDD980555189	Site 8-Envirtrol PAD987270725	Site 9-Calgon KY KYD005009923	Site 10-SET Env TXD055135388	Site 11-CVWM NYD049836679
MISC SOLVENT WASTE	A	1078.71	20.70	222.40		822.93			12.67				
WASTE OIL	B	0.00											
WASTE DEA	C	0.00											
PLANT OUT OF SPEC	D	3.48	1.43						2.04				
LAB PACS	E	0.04			0.02							0.02	
PROCESS RESIDUE	F	17.97	9.79						8.18				
LAB LIQUID	G	0.00											
LAB SOLID	H	0.00											
WASTEWATER	I	340.45					340.45						
SPILLS/CLEANUP	J	30.60	30.60										
CARBON	K	108.31						3.00		99.31	6.00		
MISC CORROSIVE	L	0.20	0.20										
PROCESS CLEANOUT	M	8.26	6.09						2.17				
WASTE PAINT	N	0.00											
TANK CLEANOUT	O	29.68	29.68										
VW NEUT./NAOH	P	6.48	5.97						0.25				0.26
FILTERS	Q	0.00											

TOTAL

1624.17

2002 HAZARDOUS WASTE REPORT WORKSHEET																	Tanker/Drum
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCN WT lbs	WW WT lbs	RCY RCV lbs	MFST DOC NUM	STATE MFST NUM	HAULER	
3	WASTE MCB	A	D001, D021	PTSI	C HARBOR	CH124412	INCIN	0	1,334	1,334	1,334	0	0	795	MDC0895593	C. HARBORS	D-2
2	WASTE MCB / FUEL OIL	A	F002, D001, D021	PTSI	C HARBOR	CH131275	INCIN	0	1,100	1,100	1,100	0	0	795	MDC0895593	C. HARBORS	D-2
24	WASTE N NDIMETHYL	A	D001	ACL	C HARBOR	CH131343	INCIN	0	10,161	10,161	10,161	0	0	795	MDC0895593	C. HARBORS	D-2
29	WASTE DEA	A	D001	HEGCL	C HARBORS	CH131343	INCIN	0	11,346	11,346	11,346	0	0	805	MDC0895646	C. HARBORS	D-3
1	WASTE FUEL OIL/MCB	A	F002, D001, D021	PTSI	C HARBORS	CH131275	INCIN	0	478	478	478	0	0	805	MDC0895646	C. HARBORS	D-3
2	WASTE TOLUENE	A	F005, D001	HEGCL	C HARBORS	CH157112	INCIN	0	928	928	928	0	0	805	MDC0895646	C. HARBORS	D-3
11	WASTE POH	A	D001	PNBC	ENSCO	1393067	INCIN	0	4,476	4,476	4,476	0	0	850	AR1294865	HAZMAT	D-9
5	WASTE POH	A	D001	PNBC	ENSCO	1393067	INCIN	0	1,904	1,904	1,904	0	0	867	AR1294759	HAZMAT	D-11
7	WASTE POH	A	D001	PNBC	ENSCO	1393067	INCIN	0	3,119	3,119	3,119	0	0	890	AR1294647	BUFF FUEL	D-14
1	WASTE ACE/4METHCF	A	D001, D002, D003, F003	MSECF	ENSCO	1419625	INCIN	0	385	385	385	0	0	899	AR1294807	HAZMAT	D-16
1	WASTE ACE/TOLUENE	A	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	0	464	464	464	0	0	910	AR1294590	HAZMAT	D-18
14	WASTE ACE/TOLUENE	A	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	0	5,157	5,157	5,157	0	0	910	AR1294590	HAZMAT	D-18
1	WASTE ACE/HCL	A	D001, D002, F002, F003, F005, D021, D022		ENSCO	1419718	INCIN	0	400	400	400	0	0	917	AR1294591	HAZMAT	D-19
4	WASTE ACE/TOLUENE	A	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	0	1,597	1,597	1,597	0	0	917	AR1294591	HAZMAT	D-19
35	WASTE ACE/TOLUENE	A	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	0	12,416	12,416	12,416	0	0	917	AR1294591	HAZMAT	D-19
5	WASTE POH	A	D001	PNBC	ENSCO	1393067	INCIN	0	2,130	2,130	2,130	0	0	917	AR1294591	HAZMAT	D-19
4	WASTE ACE/PHCF	A	D001, D002, D003, F003	PHCF	ENSCO	155776	INCIN	0	1324	1324	1324	0	0	923	AR1363933	HAZMAT	D-20
9	WASTE ACE/TOLUENE	A	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	0	2942	2942	2942	0	0	923	AR1363933	HAZMAT	D-20
13	WASTE ACE/TOLUENE	A	D001, F002, F003, F005, D021, D022,		ENSCO	1419677	INCIN	0	5080	5080	5080	0	0	923	AR1363933	HAZMAT	D-20
1	FLAM LIQ TOL/MET	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	5,960	44,700	44,700	44,700	0	0	785	MI761233	BUFF FUEL	T
1	FLAM LIQ TOL/MET	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	6,000	45,000	45,000	45,000	0	0	788	MI7612334	BUFF FUEL	T
1	FLAM LIQ TOL/MET	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	5,960	44,700	44,700	44,700	0	0	790	MI7612335	BUFF FUEL	T
1	FLAM LIQ TOL/MET	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	6,000	45,000	45,000	45,000	0	0	793	MI7612337	BUFF FUEL	T
1	WASTE TOL/METH	A	D001	FC102	EQ RESOURCE	J51201	INCIN	5,800	43,500	43,500	43,500	0	0	806	MI7612338	C. HARBORS	T
1	WASTE TOL/METH	A	D001	FC102	EQ RESOURCE	J51201	INCIN	6,000	45,000	45,000	45,000	0	0	809	MI7612339	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F005, F003	FC102	EQ RESOURC	J51201	INCIN	6,000	42,600	42,600	42,600	0	0	831	MI8666484	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	0	42,400	42,400	42,400	0	0	833	MI8666493	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	5,508	39,107	39,107	39,107	0	0	835	MI8666492	BUFF FUEL	T
1	WASTE TOL/METH	A	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	6,000	42,600	42,600	42,600	0	0	839	MI8666491	BUFF FUEL	T
1	WASTE TOL/METH	A	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	5,900	41,890	41,890	41,890	0	0	840	MI8666490	BUFF FUEL	T
1	WASTE TOL/METH	A	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	5,900	41,890	41,890	41,890	0	0	842	MI8666489	BUFF FUEL	T
1	WASTE TOL/METH	A	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	6,000	42,600	42,600	42,600	0	0	845	MI8666488	BUFF FUEL	T
1	WASTE TOL/METH	A	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	6,000	42,600	42,600	42,600	0	0	846	MI8666487	BUFF FUEL	T
1	WASTE TOL/METH	A	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	6,000	42,600	42,600	42,600	0	0	848	MI8666486	BUFF FUEL	T
1	WASTE TOL/METH	A	F003, F005, D001	FC102	EQ RESOURC	J51201	INCIN	6,000	42,600	42,600	42,600	0	0	849	MI8666485	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	2,950	20,945	20,945	20,945	0	0	852	MI7513967	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	6,000	42,600	42,600	42,600	0	0	853	MI7513999	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	6,000	42,600	42,600	42,600	0	0	854	MI7513997	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	6,000	42,600	42,600	42,600	0	0	855	MI7513996	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	6,000	42,600	42,600	42,600	0	0	856	MI7513995	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	5,820	41,322	41,322	41,322	0	0	860	MI7513994	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURC	J51201	INCIN	5,820	41,322	41,322	41,322	0	0	861	MI7513993	BUFF FUEL	T
1	WASTE XYLENE/MET	A	D001	345 TMBCL	EQ RESOURCE	J51201	INCIN	5,516	39,164	39,164	39,164	0	0	871	MI8124482	BUFF FUEL	T
1	WASTE HAZ TOL/DEA	A	D001, D002, F005	HEGCL	EQ RESOURCE	G47002	INCIN	4,686	33,271	33,271	33,271	0	0	875	MI8666676	BUFF FUEL	T
1	WASTE TOL/DEA	A	D001, D002, F005	HEGCL	EQ RESOURCE	G47002	INCIN	5,600	39,760	39,760	39,760	0	0	877	MI8666680	BUFF FUEL	T
1	WASTE TOL/DEA	A	D001, D002, F006	HEGCL	EQ RESOURCE	G47003	INCIN	4,769	33,860	33,860	33,860	0	0	878	MI8666682	BUFF FUEL	T
1	WASTE TOL/DEA	A	D001, D002, F005	HEGCL	EQ RESOURCE	G47002	INCIN	5,900	42,480	42,480	42,480	0	0	880	MI8666681	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	5,920	42,032	42,032	42,032	0	0	882	MI7513991	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	5,138	36,480	36,480	36,480	0	0	886	MI7513990	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	5,644	42,072	42,072	42,072	0	0	887	MI7513989	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	5,484	38,936	38,936	38,936	0	0	888	MI7513988	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	5,604	39,788	39,788	39,788	0	0	889	MI7513987	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	5,600	39,760	39,760	39,760	0	0	893	MI7513986	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	6,228	44,219	44,219	44,219	0	0	895	MI7513985	BUFF FUEL	T
1	WASTE XYL METH	A	D001	TMBCL	EQ RESOURCE	J51201	INCIN	4211	31,583	31,583	31,583	0	0	908	MI8666866	BUFF FUEL	T
1	WASTE TOLUENE	A	D001, F005	PHCF	EQ RESOURCE	J41302	INCIN	1300	9,386	9,386	9,386	0	0	913	MI7612354	BUFF FUEL	T
1	WASTE TOLUENE	A	D001, F005	PHCF	EQ RESOURCE	J41302	INCIN	5700	41,154	41,154	41,154	0	0	914	MI7612355	BUFF FUEL	T
1	WASTE METHANOL	A	D001, F003	FC102	EQ RESOURCE	L41702		5462	36,898	36,898	36,898			915	MI8666171	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	6300	47,250	47,250	47,250	0	0	918	MI7513984	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, D002, F003	FC102	EQ RESOURCE	J51201	INCIN	6000	45,000	45,000	45,000	0	0	920	MI7513983	BUFF FUEL	T

2002 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCLIN WT lbs	WW WT lbs	RCV RCV lbs	MFST DOC NUM	STATE MFST NUM	HAULER	Tanker/Drum
1	WASTE ETHANOL/MET	A	D001, F003	FC102	NORLITE	SAN215919	INCIN	6,002	44,415	44,415	44,415	0	0	810	NYG3204351	BUFF FUEL	T
1	WASTE ETHANOL/MET	A	D001	FC102	NORLITE	SAN215944	INCIN	6,000	47,540	47,540	47,540	0	0	812	NYG3204378	BUFF FUEL	T
1	WASTE ETHANOL/MET	A	D001	FC102	NORLITE	SAN215956	INCIN	5,960	47,540	47,540	47,540	0	0	813	NYG3204387	BUFF FUEL	T
1	WASTE ETHANOL/MET	A	D001	FC102	NORLITE	SAN215978	INCIN	6,000	45,000	45,000	45,000	0	0	818	NYG3204396	BUFF FUEL	T
2	WASTE ACE/TOLUENE	A	D001, F002, F003, F005, D021, D022,	HEGCL	NORLITE	SAN215982	INCIN	0	931	931	931	0	0	819	NYG3318606	UNITED IND	D-5
43	WASTE ACE/TOLUENE	A	D001, F002, F003, F005, D021, D022,	HEGCL	NORLITE	SAN215982	INCIN	0	17,203	17,203	17,203	0	0	819	NYG3318606	UNITED IND	D-5
1	WASTE ETHANOL/MET	A	D001	FC102	NORLITE	SAN215903	INCIN	4,321	30,679	30,679	30,679	0	0	822	NYG3204405	BUFF FUEL	T
2	WASTE ACE/TOLUENE	A	D001, F002, F003, F005, D021, D022	FC102	NORLITE	ST004502	INCIN	0	876	876	876	0	0	836	NYG3318129	UNITED IND	D-8
9	WASTE ACE/TOLUENE	A	D001, F002, F003, F005, D021, D022	FC102	NORLITE	ST004502	INCIN	0	3,964	3,964	3,964	0	0	836	NYG3318129	UNITED IND	D-8
1	WASTE DMF	A	D001	ACL	NORLITE	SAN216123	INCIN	2,944	23,520	23,520	23,520	0	0	844	NYG3317778	BUFF FUEL	T
3	WASTE ACE/TOLUENE	A	D001, F002, F003, F005, D021, D022,	HEGCL	NORLITE	ST004502	INCIN	0	1,334	1,334	1,334	0	0	858	NYG3317454	UNITED IND	D-10
57	WASTE ACE/TOLUENE	A	D001, F002, F003, F005, D021, D022,	HEGCL	NORLITE	ST004502	INCIN	0	21,226	21,226	21,226	0	0	858	NYG3317454	UNITED IND	D-10
1	WASTE ETHANOL/MET	A	D001	FC102	NORLITE	C209-01	INCIN	6,300	45,940	45,940	45,940	0	0	863	NYG3204342	BUFF FUEL	T
1	WASTE ETHANOL/MET	A	D001	FC102	NORLITE	C209-01	INCIN	0	21,140	21,140	21,140	0	0	865	NYG3319065	BUFF FUEL	T
1	WASTE TOL/METH	A	D001, F005, F003	HEGCL	NORLITE	C148-02	INCIN	5,625	39,938	39,938	39,938	0	0	872	NYG1944504	BUFF FUEL	T
2	WASTE ACE/TOLUENE	A	D001, F002, F003, F005, D021, D022,	HEGCL	NORLITE	ST-0045-02	INCIN	0	893	893	893	0	0	879	NYG3545505	UNITED IND	D-13
89	WASTE ACE/TOLUENE	A	D001, F002, F003, F005, D021, D022,	HEGCL	NORLITE	ST-0045-02	INCIN	0	36,128	36,128	36,128	0	0	879	NYG3545505	UNITED IND	D-13
1	WASTE DEA/TOL	A	D001, F003, F005	HEGCL	NORLITE	ST023302	INCIN	2,054	16,540	16,540	16,540	0	0	902	NYG3544641	BUFF FUEL	T
GRAND TOTAL A WASTE									1,078.71		1,078.71						
3	WASTE DIOXANE	D	U108, D001	Pilot Lab	C HARBOR	CH117739	INCIN	0	1,097	1,097	1,097	0	0	794	MDC0895592	C. HARBORS	D-2
5	WASTE TMT/C/TOL	D	F005, D002, D003	TMTC	C HARBOR	CH158113	INCIN	0	2,990	2,990	2,990	0	0	797	MDC0895591	C. HARBORS	D-2
2	WASTE ACL	D	D003	ACL	ENSCO	1393044	INCIN	0	342	342	342	0	0	867	AR1294759	HAZMAT	D-11
1	WASTE ACL	D	D003	ACL	ENSCO	1393044	INCIN	0	77	77	77	0	0	905	AR1294589	HAZMAT	D-17
14	WASTE AMIDE CLOR	D	D003	ACL	ENSCO	1393044	INCIN	0	1,469	1,469	1,469	0	0	850	AR1294865	HAZMAT	D-9
1	WASTE BUCL	D	D001, D002, D003	BUCL	ENSCO	1393021	INCIN	0	121	121	121	0	0	824	AR1294906	FREEHOLD	D-6
2	WASTE ETHYLAMINE	D	D001, D002	ENSCO	1392534	INCIN	0	736	736	736	0	0	866	AR1294758	HAZMAT	D-11	
1	WASTE POH	D	D001	PNBC	ENSCO	1393007	INCIN	0	120	120	120	0	0	905	AR1294589	HAZMAT	D-17
GRAND TOTAL B WASTE									3.48		3.48						
2	WASTE CHLORINE	E	D002	Lecture Bottles	SAFETY KL	00762-068C	TREATED	0	10	10	0	10	0	814	NYG3318696	FREEHOLD	D-4
1	WASTE CYANOGEN	E	D001	Lecture Bottles	SAFETY KL	00762-104C	TREATED	0	5	5	0	5	0	814	NYG3318696	FREEHOLD	D-4
1	WASTE DEA ANHY	E	D001	Lecture Bottles	SAFETY KL	33762-156C	TREATED	0	5	5	0	5	0	814	NYG3318696	FREEHOLD	D-4
2	WASTE HYD CL ANHY	E	D002	Lecture Bottles	SAFETY KL	00762-304C	TREATED	0	10	10	0	10	0	814	NYG3318696	FREEHOLD	D-4
1	WASTE METH ANHY	E	D001	Lecture Bottles	SAFETY KL	00762-335C	TREATED	0	5	5	0	5	0	815	NYG3318705	FREEHOLD	D-4
2	CHLORINE	E	D002	Lecture Bottles	SET ENVIR	ERG124	TREATED	0	10	10	0	0	10	912	02623145	HAZMAT	D-18
1	WASTE DEA	E	D001	Lecture Bottles	SET ENVIR	ERG118	INCIN	0	5	5	5	0	0	911	02623144	HAZMAT	D-18
1	WASTE ETHYLAMINE	E	D001	Lecture Bottles	SET ENVIR	ERG118	INCIN	0	5	5	5	0	0	911	02623144	HAZMAT	D-18
2	WASTE ETHYLENE	E	D001	Lecture Bottles	SET ENVIR	ERG119	INCIN	0	10	10	10	0	0	911	02623144	HAZMAT	D-18
1	WASTE VINYL CL	E	D001	Lecture Bottles	SET ENVIR	ERG116	INCIN	0	5	5	5	0	0	911	02623144	HAZMAT	D-18
GRAND TOTAL C WASTE									0.04		0.01	0.02	0.01				
2	WASTE BUT/ POH	F	D001, D002	BUCL	C HARBOR	CH156189	INCIN	0	835	835	835	0	0	794	MDC0895592	C. HARBORS	D-2
3	WASTE MCB	F	D001, D021	PTSI	C HARBOR	CH154636	INCIN	0	1,500	1,500	1,500	0	0	794	MDC0895592	C. HARBORS	D-2
2	WASTE NITRILES	F			C HARBOR	CH156112	INCIN	0	121	121	121	0	0	796	MDC0895594	C. HARBORS	D-2
2	WASTE PNBC	F		PNBC	C HARBOR	CH183168	INCIN	0	900	900	900	0	0	796	MDC0895594	C. HARBORS	D-2
9	WASTE POH	F	D001	PNBC	C HARBOR	CH183013	INCIN	0	3,634	3,634	3,634	0	0	794	MDC0895592	C. HARBORS	D-2
5	WASTE PTSI	F	F002, F003, F005, D021	PTSI	C HARBOR	CH183171	INCIN	0	2,807	2,807	2,807	0	0	799	MDC0895589	C. HARBORS	D-2
2	WASTE TMT/C/TOL	F	F005, D002, D003	TMTC	C HARBOR	CH158110	INCIN	0	1,103	1,103	1,103	0	0	797	MDC0895591	C. HARBORS	D-2
10	WASTE TMT/C/TOL	F	F005, D002, D003	TMTC	C HARBOR	CH158118	INCIN	0	4,392	4,392	4,392	0	0	797	MDC0895591	C. HARBORS	D-2
1	WASTE BCF/METH CL	F	D001, F003, F005, D021	BCF	C HARBORS	CH183171	INCIN	0	311	311	311	0	0	804	MDC0895645	C. HARBORS	D-3
2	WASTE PTSA/ACE	F	F002, F005, D021	PTSI	C HARBORS	CH131345	INCIN	0	765	765	765	0	0	804	MDC0895645	C. HARBORS	D-3

L = LANDFILL
B = INCINERATION

2002 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCIN WT lbs	WW WT lbs	RCY RCV lbs	MFST DOC NUM	STATE MFST NUM	HAULER	Tanker/Drum
5	WASTE LIQUID	F	D003, D021		ENSCO	1408339	INCIN	0	2,800	2,800	2,800	0	0	890	AR1294647	BUFF FUEL	D-14
1	WASTE LIQUID	F	D003, D021		ENSCO	1408339	INCIN	0	538	538	538	0	0	891	AR1294648	BUFF FUEL	D-14
4	WASTE TMTc	F	D003, F005	TMTc	ENSCO	1393020	INCIN	0	2,665	2,665	2,665	0	0	824	AR1294906	FREEHOLD	D-6
1	WASTE TMTc	F	D003, F005	TMTc	ENSCO	1393020	INCIN	0	400	400	400	0	0	850	AR1294865	HAZMAT	D-9
6	WASTE TMTc	F	D003, F005	TMTc	ENSCO	1393020	INCIN	0	2,849	2,849	2,849	0	0	905	AR1294589	HAZMAT	D-17
2	WASTE TMTc	F	D003, F005	TMTc	ENSCO	1393020	INCIN	0	1,100	1,100	1,100	0	0	917	AR1294591	HAZMAT	D-19
6	WASTE TOL/ACI	F	D001, D003, F005	ACL	ENSCO	1392551	INCIN	0	2,040	2,040	2,040	0	0	866	AR1294758	HAZMAT	D-11
10	WASTE TOL/ACI	F	D001, D003, F005	ACL	ENSCO	1392551	INCIN	0	3,770	3,770	3,770	0	0	910	AR1294590	HAZMAT	D-18
7	WASTE TOL/ACI	F	D001, D003, F005		ENSCO	1392551	INCIN	0	2,871	2,871	2,871	0	0	917	AR1294591	HAZMAT	D-19
1	WASTE TOL/ACI	F	D001, D003, F005		ENSCO	1392551	INCIN	0	543	543	543	0	0	924	AR1363934	HAZMAT	D-20
GRAND TOTAL F WASTE									17.97		17.97						
1	FLAM LIQ TOL/MET	I	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	4,901	49,014	49,014		49,014	0	787	NJA4087198	BUFF FUEL	T
1	FLAM LIQ TOL/MET	I	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	6,000	49,180	49,180		49,180	0	789	NJA4087199	BUFF FUEL	T
1	FLAM LIQ TOL/MET	I	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	5,200	43,368	43,368		43,368	0	792	NJA4087200	BUFF FUEL	T
1	WASTE TOL/METH	I	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	5,888	44,160	44,160		44,160	0	808	NJA4087201	BUFF FUEL	T
1	WASTE TOL/METH	I	D001, F005, F003	FC102	EI DUPONT	OW11243	WWT	5,855	48,011	48,011		48,011	0	827	NJA4087203	BUFF FUEL	T
1	WASTE TOL/METH	I	D001, F005, F003	FC102	EI DUPONT	OW11243	WWT	5,740	47,068	47,068		47,068	0	828	NJA4087202	BUFF FUEL	T
1	WASTE TOL/METH	I	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	4,860	39,852	39,852		39,852	0	834	NJA4087206	BUFF FUEL	T
1	WASTE TOL/METH	I	F003, F005, D001	FC102	EI DUPONT	OW11243	WWT	5,824	47,757	47,757		47,757	0	838	NJA4087205	BUFF FUEL	T
1	WASTE TOL/METH	I	F003, F005, D001	FC102	EI DUPONT	OW11243	WWT	5,485	44,977	44,977		44,977	0	841	NJA4087180	BUFF FUEL	T
1	WASTE TOL/METH	I	F003, F005, D001	FC102	EI DUPONT	OW11243	WWT	5,485	44,977	44,977		44,977	0	843	NJA4087179	BUFF FUEL	T
1	WASTE TOL/METH	I	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	5,300	43,460	43,460		43,460	0	857	NJA4087204	BUFF FUEL	T
1	WASTE TOL/METH	I	D001, F005, F003	FC102	EI DUPONT	OW11243	WWT	3,944	32,341	32,341		32,341	0	864	NJA4087181	BUFF FUEL	T
1	WASTE TOL/METH	I	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	4,800	34,080	34,080		34,080	0	885	NJA4087196	BUFF FUEL	T
1	WASTE TOL/METH	I	D001, F003, F005	FC102	EI DUPONT	OW11243	WWT	4,400	31,240	31,240		31,240	0	894	NJA4087185	BUFF FUEL	T
1	WASTE TOL/METH	I	F005, F003	FC102	EI DUPONT	OW11243	WWT	2,400	17,414	17,414		17,414	0	901	NJA4087184	BUFF FUEL	T
1	WASTE TOL/METH	I	D001, D002, F003	FC102	EI DUPONT	OW11243	WWT	5570	40,415	40,415		40,415	0	921	NJA4087186	BUFF FUEL	T
1	WASTE TOL/METH	I	D001, D002, F003	FC102	EI DUPONT	OW11243	WWT	3250	23,581	23,581		23,581	0	922	NJA4087187	BUFF FUEL	T
TOTAL / SITE 5									340.45		340.45						
15	WASTE HAZ SOLID	J	F002, F003, F005, D021, D022	Plant	ENSCO	1378178	INCIN	0	5,809	5,809	5,809	0	0	824	AR1294906	FREEHOLD	D-6
18	WASTE SOLID	J	F002, F003, F005, D021, D022	Plant	ENSCO	1378178	INCIN	0	7,492	7,492	7,492	0	0	850	AR1294865	HAZMAT	D-9
16	WASTE SOLID	J	F002, F003, F005, D021, D022	Plant	ENSCO	1378178	INCIN	0	5,524	5,524	5,524	0	0	866	AR1294758	HAZMAT	D-11
25	WASTE SOLID	J	F002, F003, F005, D021, D022	Plant	ENSCO	1378178	INCIN	0	8,194	8,194	8,194	0	0	890	AR1294647	BUFF FUEL	D-14
1	WASTE SOLID	J	F002, F003, F005, D021, D022	Plant	ENSCO	1378178	INCIN	0	100	100	100	0	0	899	AR1294807	HAZMAT	D-16
17	WASTE SOLID	J	F003, F003, F005, D021, D022	Plant	ENSCO	1378178	INCIN	0	5,392	5,392	5,392	0	0	905	AR1294589	HAZMAT	D-17
5	WASTE SOLID	J	F002, F003, F005, D021, D022	Plant	ENSCO	1378178	INCIN	0	1,803	1,803	1,803	0	0	910	AR1294590	HAZMAT	D-18
14	WASTE SOLID	J	F002, F003, F005, D021, D022	Plant	ENSCO	1378178	INCIN	0	5,996	5,996	5,996	0	0	917	AR1294591	HAZMAT	D-19
16	WASTE SOLID	J	F002, F003, F005, D021, D022	Plant	ENSCO	1378178	INCIN	0	6004	6004	6004	0	0	923	AR1363933	HAZMAT	D-20
40	WASTE SOLID CARBON	J	F002, F003, F005, D021, D022	Plant	ENSCO	1378178	INCIN	0	14,885	14,885	14,885	0	0	873	AR1294741	HAZMAT	D-12
TOTAL / SITE 1									30.60		30.60						
2	WASTE CARBON UNIT	K	F002	HEGCL	CALGON	CAN2542R	RECYC	0	4,000	4,000	0	0	4,000	876	PAG312150	HAZMAT	C-11
1	WASTE SOLID	K	F002	HEGCL	CALGON	CAN2542R	RECYC	0	2,000	2,000	0	0	2,000	807	PAG312142	HAZMAT	C-4
2	SOLID CARBON UNITS	K	F002, F005	Plant Effluent	ENVIROTROL	ERG171	RECYC	0	6,858	6,858	0	0	6,858	881	PAG312149	AUTUMN IND	C-12
7	SOLID CARBON UNITS	K	F002, F005	Plant Effluent	ENVIROTROL		RECYC	0	35,000	35,000	0	0	35,000	791	PAG312152	AUTUMN IND	C-1
3	SOLID CARBON UNITS	K	F002, F005	Effluent Filters	ENVIROTROL		RECYC	0	22,500	22,500	0	0	22,500	823	PAG312144	AUTUMN IND	C-6
2	SOLID CARBON UNITS	K	F002, F005	Plant Effluent	ENVIROTROL		RECYC	0	12,220	12,220	0	0	12,220	862	PAG312417	AUTUMN IND	C-9
2	SOLID CARBON UNITS	K	F002, F005	Plant Effluent	ENVIROTROL		RECYC	0	10,426	10,426	0	0	10,426	870	PAG312148	AUTUMN IND	C-10
4	WASTE CARBON UNIT	K	F002, F005	Plant Effluent	ENVIROTROL		RECYC	0	22,000	22,000	0	0	22,000	801	PAG312141	AUTUMN IND	C-2
4	WASTE CARBON UNIT	K	F002, F005	Plant Effluent	ENVIROTROL		RECYC	0	28,980	28,980	0	0	28,980	802	PAG312151	AUTUMN IND	C-3
1	WASTE CARBON UNIT	K	F002, F005	Plant	ENVIROTROL		RECYC	0	7,140	7,140	0	0	7,140	811	PAG312143	AUTUMN IND	C-5
2	WASTE CARBON UNIT	K	F002, F005	Plant Effluent	ENVIROTROL		RECYC	0	11,080	11,080	2,770	0	8,310	830	PAG312145	AUTUMN IND	C-7
2	WASTE CARBON UNIT	K	F002, F005	Plant Effluent	ENVIROTROL		RECYC	0	12,340	12,340	3,085	0	9,255	847	PAG312146	AUTUMN IND	C-8
1	WASTE SPENT CARBON	K	F002, F005	Plant Effluent	ENVIROTROL	16160	RECYC	0	4,000	4,000	0	0	4000	909	PAG366339	AUTUMN IND	C-16
2	WASTE SPENT CARBON	K	F002, F005	Plant	ENVIROTROL	ERG 171	RECYC	0	8,200	8,200	0	0	8200	915	PAG366325	AUTUMN IND	C-17
3	WASTE SPENT CARBON	K	F002, F005	Plant Effluent	ENVIROTROL	WW15524	RECYC	0	12,000	12,000	0	0	12,000	903	PAG366340	AUTUMN IND	C-15

T = TREATED
R = RECYCLE
S = STORAGE

2002 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCN WT lbs	WW WT lbs	RCY RCV lbs	MFST DOC NUM	STATE MFST NUM	HAULER
1	WASTE SPENT CARBON	K	F002, F005	Plant Effluent	ENVIROTROL		RECYC	0	3,000	3,000	0	0	3,000	883	PAG366324	AUTUMN IND
5	WASTE SPENT CARBON	K	F002, F005	Plant Effluent	ENVIROTROL		RECYC	0	2,875	2,875	0	0	2,875	883	PAG366324	AUTUMN IND
GRAND TOTAL K									108		3		108			
1	WASTE HCL	L	D002		ENSCO	1328156	INCIN	0	0.20	0.20	0.20	0	0	905	AR1294589	HAZMAT
4	WASTE ACE/METH	M	F002, F003, F005, D021, D022	FC102	C HARBOR	CH124262	INCIN	0	829	829	829	0	0	798	MDC0895590	C. HARBORS
4	WASTE ACETONE	M	F002, F003, F005, D001	Plant	C HARBOR	CH183167	INCIN	0	1,129	1,129	1,129	0	0	798	MDC0895590	C. HARBORS
1	WASTE BCF METH	M	F002, F003, F005, D001, D021, D022	BCF	C HARBOR	CH124265	INCIN	0	399	399	399	0	0	795	MDC0895593	C. HARBORS
1	WASTE MCB DEA	M	D001, D021	PNBC	C HARBOR	CH147725	INCIN	0	199	199	199	0	0	796	MDC0895594	C. HARBORS
3	WASTE ACE/METH	M	F002, F003, F005, D021, D022	FC102	C HARBORS	CH124262	INCIN	0	938	938	938	0	0	804	MDC0895645	C. HARBORS
3	WASTE ACETONE	M	F002, F003, F005, D001	Plant	C HARBORS	CH183167	INCIN	0	845	845	845	0	0	805	MDC0895646	C. HARBORS
12	WASTE LIQUID	M	F002, F003, F005, D021		ENSCO	1398655	INCIN	0	5,811	5,811	5,811	0	0	905	AR1294589	HAZMAT
1	WASTE LIQUID	M	F002, F003, F005, D021		ENSCO	1398655	INCIN	0	524	524	524	0	0	917	AR1294591	HAZMAT
1	WASTE LIQUID	M	F002, F003, F005, D021		ENSCO	1408337	INCIN	0	386	386	386	0	0	905	AR1294589	HAZMAT
1	WASTE LIQUID	M	F002, F003, F005, D021		ENSCO	1408337	INCIN	0	457	457	457	0	0	890	AR1294647	BUFF FUEL
3	WASTE XY 345TMBCL	M	D001, D002, F003	TMBCL	ENSCO	1419663	INCIN	0	1,030	1,030	1,030	0	0	905	AR1294589	HAZMAT
10	WASTE XYL/TMBCL	M	D001, D002, F003	TMBCL	ENSCO	1419663	INCIN	0	3,970	3,970	3,970	0	0	917	AR1294591	HAZMAT
GRAND TOTAL M									8.28		8.28					
27	WASTE LIQUID SLUDGE	O	F002, F003, F005, D021	Plant Effluent	ENSCO	1398655	INCIN	0	18,742	18,742	18,742	0	0	873	AR1294741	HAZMAT
67	WASTE SLUDGE	O	F002, F003, F005	Plant Effluent	ENSCO	1398655	INCIN	0	40,625	40,625	40,625	0	0	904	AR1294598	HAZMAT
GRAND TOTAL O									29.93		29.93					
11	WASTE CAUSTIC	P	D002	PHCF	ENSCO	1393023	INCIN	0	4,983	4,983	4,983	0	0	824	AR1294906	FREEHOLD
6	WASTE NAOH	P	D002		ENSCO	1393023	INCIN	0	2,682	2,682	2,682	0	0	917	AR1294591	HAZMAT
8	WASTE SODIUM HYD	P	D002	Plant Effluent	ENSCO	1393023	INCIN	0	3,022	3,022	3,022	0	0	866	AR1294758	HAZMAT
3	WASTE MET/SOD HYD	P	D001, D002, F003		ENSCO	1434042	INCIN	0	1244	1244	1244	0	0	924	AR1363934	HAZMAT
GRAND TOTAL P									8.48		8.48					
FACILITY TOTAL									1,624.17		1,178.32	340.47	105.39			

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2002 HAZARDOUS WASTE REPORT WORKSHEET

[illegible]

2004 HAZARDOUS WASTE REGIONAL WORKSHEET

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2007

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2003 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	WST CAT	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs
1	WASTE FLAM LIQUID	A	D001, D002, F003		ENSCO	1419663	INCIN	14-Mar-03	2,000	2,000
1	WASTE LIQUID	A	F002		ENSCO	1434023	INCIN	14-Mar-03	3,000	3,000
1	2-PROPANOL	A	D001, F002, F003		ENSCO	1434024	INCIN	14-Mar-03	3,500	3,500
1	TOL/TMTC	A	D001, D003, F005	TMTC	ENSCO	1392551	INCIN	5-May-03	500	500
1	TOL/DEA	A	D001, F005	HEGCI	ENSCO	1328204	INCIN	2-Dec-03	250	250
4	WASTE LIQUID	A	F002		ENSCO	1434023	INCIN	2-Dec-03	100	100
	HAZ WASTE LIQUID	A	D003, D021		ENSCO	1408339	INCIN	23-Dec-03	2,700	2,700
	TOTAL	A			ENSCO		INCIN		12,050	
	WASTE THF/MTBE	A	D001	Z -Valine	EQ RESOURCE	L55102	INCIN	3-Jan-03	44,118	44,118
40	WASTE THF/MTBE	A	D001	Z -Valine	EQ RESOURCE	L55102	INCIN	10-Jan-03	44,223	44,223
3	THF/MTBE	A	D001	Z -Valine	EQ RESOURCE	L55102	INCIN	14-Jan-03	38,260	38,260
1	XYLENE/METH	A	D001, F003, F005	TMBCI	EQ RESOURCE	J51201	INCIN	29-Jan-03	42,660	42,660
1	TOL/METH	A	D001, F005, F003	FC102	EQ RESOURCE	J51201	INCIN	3-Feb-03	38,880	38,880
13	XYLENE/TMBCL	A	D001, F003, F005, D002	TMBCL	EQ RESOURCE	A52103OTS	INCIN	3-Feb-03	21,000	21,000
3	TOL/METH	A	D001, F005, F003	FC102	EQ RESOURCE	J51201	INCIN	5-Feb-03	43,680	43,680
33	TOL/METH	A	D001, F005, F003	FC102	EQ RESOURCE	J51201	INCIN	10-Feb-03	44,140	44,140
1	XYLENE/TMBCL	A	D001, F003, F005, D002	TMBCL	EQ RESOURCE	13556	INCIN	10-Feb-03	26,300	26,300
25	TOL/METH	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	19-Feb-03	43,740	43,740
4	TOL/METH	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	21-Feb-03	44,040	44,040
5	TOL/METH	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	3-Mar-03	42,180	42,180
15	TOL/METH	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	5-Mar-03	44,000	44,000
2	TOL/METH	A	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	10-Mar-03	45,440	45,440
24	THF/HEPTANE	A	D001	Z -Valine NCA	EQ RESOURCE	L55102	INCIN	25-Mar-03	44,040	44,040
3	THF/HEPTANE	A	D001	Z -Valine NCA	EQ RESOURCE	L55102	INCIN	27-Mar-03	41,140	41,140
	THF/MTBE	A	D001	Z -Valine NCA	EQ RESOURCES	14632	INCIN	4-Apr-03	43,540	43,540
	THF/MTBE	A	D001	Z -Valine NCA	EQ RESOURCES	L55102	INCIN	9-Apr-03	42,497	42,497
	TOTAL	A			EQ RESOURCES		INCIN		733,878	
1	WASTE NN DMF	A	D001	ACL	NORLITE	ST010202	INCIN	7-Jan-03	15,460	15,460
1	TOL/METH	A	D001, F003, F005	FC102	NORLITE	0209-01	INCIN	13-Mar-03	41,640	41,640
1	PROPANOL	A	D001, F002		NORLITE	ST010503	INCIN	21-Apr-03	300	300
1	WASTE LIQUID	A	F002		NORLITE	ST010603	INCIN	21-Apr-03	600	600
1	THF/MTBE	A	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	21-Apr-03	42,760	42,760
1	THF/MTBE	A	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	23-Apr-03	42,740	42,740
1	THF/MTBE	A	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	25-Apr-03	41,140	41,140
1	THF/MTBE	A	D001	Z-Valine NCA	NORLITE	ST010903	INCIN	30-Apr-03	46,860	46,860
1	DMF	A	D001	ACL	NORLITE	ST010202	INCIN	5-May-03	17,240	17,240
1	THF/MTBE	A	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	14-May-03	48,433	48,433
1	THF/MTBE	A	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	19-May-03	39,210	39,210

2003 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	WST CAT	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs
1	THF/MTBE	A	D001	Z-Valine NCA	NORLITE	ST010903	INCIN	21-May-03	45,092	45,092
1	TOL/DMF	A	D001, F005	ACL	NORLITE	ST014802	INCIN	16-Jun-03	44,700	44,700
1	TOL/DEA	A	D001, F005	HEGCI	NORLITE	ST014802	INCIN	20-Jun-03	44,280	44,280
1	TOL/DEA	A	D001, F005	HEGCI	NORLITE	ST014802	INCIN	25-Jun-03	43,760	43,760
1	TOL/DEA	A	D001, F005	HEGCI	NORLITE	ST014802	INCIN	30-Jun-03	42,190	42,190
1	TOL/DEA	A	D001, F005	HEGCI	NORLITE	ST014802	INCIN	3-Jul-03	27,140	27,140
1	DCB/HEPTANE	A	D001, F002, D021, F003	NDI	NORLITE	ST021803	INCIN	29-Jul-03	35,200	35,200
1	DCB/HEPTANE	A	D001, F002, D021, F003	NDI	NORLITE	ST021803	INCIN	30-Jul-03	31,940	31,940
1	DMF/HEPTANE	A	D001	ACL	NORLITE	ST025003	INCIN	29-Aug-03	27,000	27,000
1	MCB/DMF	A	D001, F002, F003, D021, F005	NDI	NORLITE	ST021803	INCIN	3-Sep-03	38,540	38,540
1	MCB/DMF	A	D01, F002, F003, D021	NDI	NORLITE	ST021803	INCIN	4-Sep-03	3,393	3,393
1	DMF/TOL	A	D001, F003, F005	NDI	NORLITE	ST023302	INCIN	16-Sep-03	39,820	39,820
1	TOL/METH	A	D001, F005, F003	NDI	NORLITE	ST028503	INCIN	18-Sep-03	44,940	44,940
1	DCB/HEPTANE	A	D001, F002, D021, F005	NDI	NORLITE	ST021803	INCIN	18-Sep-03	350	350
1	WASTE LIQUID	A	F002		NORLITE	ST010603	INCIN	18-Sep-03	300	300
1	DMF	A	D001	ACL	NORLITE	ST010202	INCIN	18-Sep-03	1,200	1,200
1	DCB/HEPTANE	A	D001, F002, D021, F005	NDI	NORLITE	ST021803	INCIN	18-Sep-03	600	600
1	PROPANOL	A	D001, F002		NORLITE	ST010503	INCIN	18-Sep-03	300	300
1	MET/TOL	A	D001, F003, F005	FC 102	NORLITE	ST028503	INCIN	22-Sep-03	19,620	19,620
1	MET/TOL	A	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	15-Oct-03	41,920	41,920
1	MET/TOL	A	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	21-Oct-03	37,020	37,020
1	MET/TOL	A	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	23-Oct-03	39,280	39,280
1	MET/TOL	A	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	24-Oct-03	41,480	41,480
1	MET/TOL	A	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	27-Oct-03	46,580	46,580
	MET/TOL	A	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	29-Oct-03	40,860	40,860
	MET/TOL	A	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	3-Nov-03	43,020	43,020
1	MET/TOL	A	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	5-Nov-03	43,340	43,340
1	MET/TOL	A	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	2-Nov-03	43,005	43,005
1	MET/TOL	A	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	3-Nov-03	41,760	41,760
1	MET/TOL	A	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	4-Nov-03	46,180	46,180
1	MET/TOL	A	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	10-Nov-03	41,460	41,460
1	MET/TOL	A	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	12-Nov-03	43,060	43,060
1	MET/TOL	A	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	14-Nov-03	44,600	44,600
1	MET/TOL	A	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	17-Nov-03	46,680	46,680
1	MET/TOL	A	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	21-Nov-03	44,900	44,900
1	MET/TOL	A	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	25-Nov-03	44,840	44,840
1	MET/TOL	A	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	1-Dec-03	45,640	45,640
1	ODCB/HEPTANE	A	D001	NDI	NORLITE	ST021803	INCIN	2-Dec-03	2,100	2,100
1	MET/TOL	A	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	18-Dec-03	44,340	44,340
1	MET/TOL	A	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	22-Dec-03	43,119	43,119
	CHLOROBENZENE	A	D001, F002, D021	NDI	NORLITE	ST040003	INCIN	23-Dec-03	12,300	12,300

L = LANDFILL

B = INCINERATION

T = TREATED

R = RECYCLE

2003 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	WST CAT	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs
	THF/MTBE	A	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	23-Dec-03	1,200	1,200
	MCB/HEPTANE	A	D001, F002, D021, F005	NDI	NORLITE	ST021803	INCIN	23-Dec-03	4,500	4,500
	THF/MTBE	A	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	23-Dec-03	300	300
	MET/TOL	A	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	29-Dec-03	46,220	46,220
5	MET/TOL	A	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	29-Dec-03	45,360	45,360
4	MET/TOL	A	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	31-Dec-03	46,653	46,653
	TOTAL	A			NORLITE		INCIN		1,848,465	
1	NMETH2PYRO/ACE	A	F002, F003, F005, D021		MARISOL INC	17144-20196-1	RECYC	14-Mar-03	7,250	7,250
2	PHENOL SOL	D	U188		ENSCO	1434066	INCIN	29-Jan-03	900	900
1	THIONYL CL	D	D002, D003		ENSCO	1434068	INCIN	29-Jan-03	300	300
1	BCF	D	D002, D003	BCF	ENSCO	1434004	INCIN	29-Jan-03	300	300
1	BCF	D	D002, D003	BCF	ENSCO	1434004	INCIN	29-Jan-03	300	300
1	MCF	D	D001, D002, D003		ENSCO	1434070	INCIN	14-Mar-03	600	600
	BCF	D	D002, D003	BCF	ENSCO	1434004	INCIN	21-Apr-03	400	400
	IPCF	D	D001, D002, D003		ENSCO	1434116	INCIN	21-Apr-03	74	74
1	TMTC	D	D003, F005	TMTC	ENSCO	1393020	INCIN	18-Jul-03	300	300
	TBI	D	D001, D003		ENSCO	1453219	INCIN	4-Sep-03	1,900	1,900
1	IPCF	D	D002, D003, D001		ENSCO	1434416	INCIN	4-Sep-03	16,200	16,200
1	NBA	D	D001		ENSCO	1453251	INCIN	11-Nov-03	500	500
1	P-NITROPHENOLS	D	U170		ENSCO	1453242	INCIN	11-Nov-03	170	170
1	P-NITROPHENOLS	D	U170		ENSCO	1453242	INCIN	2-Dec-03	100	100
1	TRIETHYLAMINE	D	D001, D002		ENSCO	1453343	INCIN	23-Dec-03	900	900
1	NBI	D	D001, D003		ENSCO	1453334	INCIN	23-Dec-03	1,200	1,200
	TOTAL	D			ENSCO		INCIN		24,144	
1	BATTERIES	E			ENSCO	1449246	RECYC	24-Sep-03	30	0
20	WASTE LAMPS	E			ENSCO		RECYC	23-Oct-03	400	0
2	WASTE LIQUID	F	D003, D021	HEGCI	ENSCO	1318824	INCIN	2-Dec-03	500	500
7	TOL/TMTC	F	D001, D003, F005	TMTC	ENSCO	1392551	INCIN	2-Dec-03	2,000	2,000
	TOTAL	F			ENSCO		INCIN		2,500	
41	XYLENE	I	F003	F	CECOS	12472AAC	TREAT	4-Feb-03	41,480	41,480
15	XYLENE	I	F003	F	CECOS	12472AAC	TREAT	4-Feb-03	40,740	40,740
	XYLENE	I	F003	F	CECOS	12472AAC	TREAT	5-Feb-03	40,866	40,866
	RQ LIQUID	I	F003	Z -Valine NCA	CECOS	12342	TREAT	21-Mar-03	37,530	37,530
1	RQ LIQUID	I	F003	Z -Valine NCA	CECOS	12342	TREAT	21-Mar-03	36,104	36,104
3	RQ LIQUID	I	F003	Z -Valine NCA	CECOS	12342-AAC	TREAT	24-Mar-03	39,820	39,820
2	RQ LIQUID	I	F003	Z -Valine NCA	CECOS	12342-AAC	TREAT	23-Mar-03	42,900	42,900
1	RQ LIQUID	I	F003	Z -Valine NCA	CECOS	12342-AAC	TREAT	28-Mar-03	42,959	42,959

L = LANDFILL
B = INCINERATION
T = TREATED
R = RECYCLE
S = STORAGE

2003 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	WST CAT	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs
3	RQ LIQUID	I	F003	Z -Valine NCA	CECOS	12342-AAC	TREAT	28-Mar-03	42,909	42,909
3	WASTE LIQUID	I	F003	Z-Valine NCA	CECOS	12342AAD	TREAT	24-Apr-03	48,940	48,940
2	WASTE LIQUID	I	F003	Z-Valine NCA	CECOS	12342AAD	TREAT	24-Apr-03	43,320	43,320
88	WASTE LIQUID	I	F003	FC-102E	CECOS	12342	TREAT	7-Oct-03	21,017	21,017
34	SOD HYD/SOD CL	I	D002, F002, F005	FC-102E	CECOS	12342-AAE	TREAT	16-Oct-03	44,683	44,683
1	SOD HYD/SOD CL	I	D002, F002, F005	FC-102E	CECOS	12342AAE	TREAT	17-Oct-03	41,200	41,200
1	SOD HYD/SOD CL	I	D002, F002, F005	FC-102E	CECOS	12342AAE	TREAT	17-Oct-03	39,732	39,732
1	SOD HYD/SOD CL	I	D002, F002, F005	FC-102E	CECOS	12342AAE	TREAT	21-Oct-03	45,036	45,036
	TOTAL	I			CECOS		TREAT		649,237	
1	THF/MTBE	I	D001	Z -Valine	EI DUPONT	OW11243	TREAT	10-Jan-03	39,800	39,800
1	THF/MTBE	I	D001	Z -Valine	EI DUPONT	OW11243	TREAT	15-Jan-03	43,200	43,200
1	THF/MTBE	I	D001	Z -Valine	EI DUPONT	OW11243	TREAT	15-Jan-03	33,220	33,220
1	TOL/METH	I	D001, F005, F003	FC 102	EI DUPONT	OW11243	TREAT	28-Jan-03	40,280	40,280
1	TOL/METH	I	D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	30-Jan-03	42,780	42,780
5	TOL/METH	I	D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	6-Feb-03	40,080	40,080
	TOL/METH	I	D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	7-Feb-03	46,640	46,640
1	TOL/METH	I	D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	12-Feb-03	45,580	45,580
1	TOL/METH	I	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	20-Feb-03	47,600	47,600
1	TOL/METH	I	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	21-Feb-03	46,140	46,140
1	TOL/METH	I	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	28-Feb-03	42,340	42,340
1	TOL/METH	I	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	5-Mar-03	43,640	43,640
1	TOL/METH	I	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	7-Mar-03	45,560	45,560
1	TOL/METH	I	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	11-Mar-03	44,520	44,520
1	THF/MTBE	I	D001, F003, F005	Z-Valine NCA	EI DUPONT	OW11243	TREAT	10-Apr-03	43,420	43,420
	TOTAL	I			EI DUPONT		TREAT		644,800	
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	29-Jan-03	2,100	2,100
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	29-Jan-03	3,900	3,900
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	14-Mar-03	5,250	5,250
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	14-Mar-03	8,000	8,000
36	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	21-Apr-03	6,500	6,500
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	21-Apr-03	5,200	5,200
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	18-Jul-03	9,000	9,000

2003 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	WST CAT	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	18-Jul-03	600	600
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	4-Sep-03	18,600	18,600
1	WASTE SOLID	J	D001		ENSCO	1453220	INCIN	4-Sep-03	275	275
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	24-Sep-03	300	300
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	11-Nov-03	300	300
1	WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	2-Dec-03	15,200	15,200
1	HAZ WASTE SOLID	J	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	23-Dec-03	3,600	3,600
	TOTAL	J			ENSCO		INCIN		78,825	
1	SPENT CARBON	K	F002	HEGCI	CALGON CAR	2542R	RECYC	25-Jun-03	5,000	5,000
1	SPENT CARBON	K	F002	HEGCI	CALGON CAR	CAN2542R	RECYC	1-Jul-03	4,000	4,000
	TOTAL	K			CALGON CAR		RECYC		9,000	
1	SPENT CARBON	K	F002, F003, F005	Plant	ENVIROTROL		RECYC	5-Feb-03	12,020	12,020
1	SPENT CARBON	K	F002, F003, F005	Plant	ENVIROTROL		RECYC	12-Feb-03	8,080	8,080
1	SPENT CARBON	K	F002, F005, F003		ENVIROTROL		RECYC	14-Mar-03	11,000	11,000
1	SPENT CARBON	K	F002, F003, F005		ENVIROTROL		RECYC	26-Mar-03	15,000	15,000
1	SPENT CARBON	K	F002, F003, F005	Plant	ENVIROTROL		RECYC	10-Apr-03	6,000	6,000
1	SPENT CARBON	K	F002, F003, F005	Plant	ENVIROTROL		RECYC	9-May-03	15,000	15,000
1	SPENT CARBON	K	F002, F003, F005	Plant	ENVIROTROL		RECYC	11-Jun-03	11,000	11,000
13	SPENT CARBON	K	F002, F003, F005	Plant	ENVIROTROL		RECYC	17-Jun-03	7,500	7,500
4	SPENT CARBON	K	F002, F003, F005		ENVIROTROL		RECYC	27-Jun-03	5,000	5,000
1	SPENT CARBON	K	F002, F003, F005		ENVIROTROL	CHEMNY-WW	RECYC	15-Oct-03	10,000	10,000
	SPENT CARBON	K	D001, F005		ENVIROTROL	BUSPNY-AF	RECYC	15-Oct-03	400	400
	SPENT CARBON	K	F002, F003, F005		ENVIROTROL	CHEMNYWW	RECYC	16-Dec-03	15,000	15,000
7	SPENT CARBON	K	F002, F003, F005		ENVIROTROL	CHEMNY-WW	RECYC	30-Jul-03	9,000	9,000
1	SPENT CARBON	K	D001, F005		ENVIROTROL	BUSPNY-AF	RECYC	30-Jul-03	250	250
3	SPENT CARBON	K	D001, D021, F002		ENVIROTROL	VDMNY-AF	RECYC	30-Jul-03	286	286
1	SPENT CARBON	K	F002, F003, F005		ENVIROTROL	CHEMNY-WW	RECYC	4-Sep-03	9,000	9,000
1	SPENT CARBON	K	F002, F003, F005		ENVIROTROL	VANCHEMNY	RECYC	25-Nov-03	10,000	10,000
1	SPENT CARBON	K	D001, F005		ENVIROTROL	VANBUSPNY	RECYC	25-Nov-03	555	555
6	CARBON/TOL	K	H'F002, F003, F005		ENVIROTROL	CHEMNY-WW	RECYC	10-Jul-03	10,000	10,000
12	CARBON/MCB	K	D001, D021, F002		ENVIROTROL	VDMNY-AF	RECYC	10-Jul-03	365	365
4	CARBON/MTBE	K	D001, F005		ENVIROTROL	BUSPNY-AF	RECYC	10-Jul-03	1,900	1,900
	TOTAL	K			ENVIROTROL				157,356	

2003 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	WST CAT	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs
2	HCL/TOL	L	D002, F002, F003, F005, D021, D001		BRIDGEPORT	2258ESTD2L	INCIN	2-Dec-03	2,100	2,100
4	MCB, HCL	L	F002, F003, F005, D021, D022	Scrubbers	ENSCO	1434112	INCIN	21-Apr-03	13,600	13,600
6	MCB/HCL	L	D001, D002, F003		ENSCO	1434112	INCIN	2-Dec-03	250	250
	TOTAL	L			ENSCO		INCIN		13,850	
7	HCL/TOL	L	D002, F002, F003, F005, D021, D001	Z-Valine NCA	NORLITE	ST021203	INCIN	18-Jul-03	1,000	1,000
21	HCL	L	D002, F002, F003, F005, D021	Z-Valine NCA	CECOS	12472AAD	TREAT	8-Jul-03	42,440	42,440
16	HCL	L	D002, F002, F003, F005, D021	Z-Valine NCA	CECOS	12472AAD	TREAT	8-Jul-03	41,780	41,780
2	HCL	L	D002, F002, F003, F005, D021	Z-Valine NCA	CECOS	12472AAD	TREAT	8-Jul-03	13,640	13,640
	TOTAL	L			CECOS		TREAT		97,860	
1	SODIUM HYDROXIDE	P	D002	IPCF	EI DUPONT	OW11805T	TREAT	1-Aug-03	10,550	10,550
16	ACE/TOL	M	D001, F002, F003, F005, D021, D022	Cleaning	ENSCO	1419677	INCIN	29-Jan-03	12,000	12,000
13	ACE/TOL	M	D001, F002, F003, F005, D021, D022	Cleaning	ENSCO	1419677	INCIN	29-Jan-03	900	900
35	TOL/AQUEOUS AMM	M	D001, F005		ENSCO	1434065	INCIN	29-Jan-03	1,200	1,200
2	TOL/GCPCF	M	D001, F005	Cleaning	ENSCO	1434090	INCIN	14-Mar-03	500	500
62	ACE/TOL	M	D001, F002, F003	Cleaning	ENSCO	1419677	INCIN	14-Mar-03	500	500
17	ACE/TOL	M	D001, F002, F003	Cleaning	ENSCO	1419677	INCIN	14-Mar-03	6,500	6,500
	TOTAL	M			ENSCO		INCIN		21,600	
1	ACE/TOL	M	D001, F002, F003, F005, D021, D022	Cleaning	NORLITE	ST004501	INCIN	21-Apr-03	900	900
1	ACE/TOL	M	D001, F002, F003, F005, D021, D022	Cleaning	NORLITE	ST004502	INCIN	21-Apr-03	9,900	9,900
2	ACE/TOL	M	D001, F002, F003, F005, D021, D022	Cleaning	NORLITE	ST004502	INCIN	21-Apr-03	500	500
1	ACE/TOL	M	D001, F002, F003, F005, D021, D022	Cleaning	NORLITE	ST004502	INCIN	18-Jul-03	12,500	12,500
1	ACE/TOL	M	D001, F002, F003, F005, D021, D022	Cleaning	NORLITE	ST004502	INCIN	18-Jul-03	2,000	2,000

[illegible]

2003 HAZARDOUS WASTE REPORT WORKSHEET										
QTY	WASTE DESCRIPTION	WST CAT	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs
									5,291,233	1,302.41

ISOCREM INC.
2003 WASTE DISPOSAL

Waste Description	Waste Letter	Total Tons	% of total Waste Generated	Site 1-ENSCO ARD069748192	Site 2-Norlite NYD080469935	Site 3 -Marisol NJD002454544	Site 4-EQRR MID060975844	Site 5-DuPont NJD002385730	Site 6-Bridgeport United CTD002593887	Site 7-CECOS NYD080336241	Site 8-Enviro PAD987270725	Site 9-Calgon KY KYD005009923	Site 10-CWM NYD049836679
MISC SOLVENT WASTE	A	1300.56	33%	6	924	4	367						
WASTE OIL	B	0.00	0%										
WASTE DEA	C	0.00	0%										
PLANT OUT OF SPEC	D	12.07	0%	12									
LAB PACS	E	0.00	0%										
PROCESS RESIDUE	F	1.25	0%	1									
LAB LIQUID	G	0.00	0%										
LAB SOLID	H	0.00	0%										
WASTEWATER TREATED OFF SITE	I	647.02	17%					322		325			
SPILLS/CLEANUP	J	39.41	1%	39									
CARBON	K	83.18	2%								79	5	
MISC CORROSIVE	L	57.41	1%	7	1				1	49			
PROCESS CLEANOUT	M	34.05	1%	11	23								
WASTE PAINT	N	0.00	0%										
TANK CLEANOUT	O	23.95	1%		24								
NAOH scrubbing solution	P	5.28	0%					5					
NaOH/Barium	Q	0.42	0%										830
WASTEWATER TREATED ON SITE		1686.00	43%										

TOTAL

3890.59

2003 HAZARDOUS WASTE REPORT WORKSHEET																		
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	THF/MTBE	HAZ	D001	Z-Valine NCA	EQ RESOURCES	14632	INCIN	4-Apr-03	6,060	43,540	43,540	43,540	0	0	975	MI8688944	BFC	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	EQ RESOURCES	L55102	INCIN	9-Apr-03	5,668	42,497	42,497	42,497	0	0	976	MI8688945	BFC	
1	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	10-Apr-03	0	6,000	6,000	0	0	6,000	977	PAG366331	AUTUMN	
1	THF/MTBE	HAZ	D001, F003, F005	Z-Valine NCA	EI DUPONT	OW11243		10-Apr-03	5,000	43,420	43,420		43,420		978	NJA4134346	BFC	
16	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	21-Apr-03		6,500	6,500	6,500	0	0	979	AR1363670	SJ TRANS	
13	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	21-Apr-03		5,200	5,200	5,200	0	0	979	AR1363670	SJ TRANS	
34	MCB, HCL	HAZ	F002, F003, F005, D021, D022	PTSI	ENSCO	1434112	INCIN	21-Apr-03		13,600	13,600	13,600	0	0	979	AR1363670	SJ TRANS	
2	BCF	HAZ	D002, D003		ENSCO	1434004	INCIN	21-Apr-03		400	400	400	0	0	979	AR1363670	SJ TRANS	
1	IPCF	HAZ	D001, D002, D003		ENSCO	1434116	INCIN	21-Apr-03		74	74	74	0	0	979	AR1363670	SJ TRANS	
5	PTSI RESIDUE	NON			BRIDGEPORT	0928DN4		21-Apr-03		3,000	0				980	CTF0563836	UNITED IND	
3	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004501	INCIN	21-Apr-03		900	900	900	0	0	981	NYG2772648	UNITED IND	
33	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	21-Apr-03		9,900	9,900	9,900	0	0	981	NYG2772648	UNITED IND	
1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	21-Apr-03		500	500	500	0	0	981	NYG2772648	UNITED IND	
1	PROPANOL	HAZ	D001, F002		NORLITE	ST010503	INCIN	21-Apr-03		300	300	300	0	0	982	NYG2772657	UNITED IND	
2	WASTE LIQUID	HAZ	F002		NORLITE	ST010603	INCIN	21-Apr-03		600	600	600	0	0	982	NYG2772657	UNITED IND	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	21-Apr-03		42,760	42,760	42,760	0	0	983	NYG2772675	BFC	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	23-Apr-03	5,544	42,740	42,740	42,740	0	0	984	NYG2772684	BFC	
1	WASTE LIQUID	HAZ	F003	Z-Valine NCA	CECOS	12342AAD	TREAT	24-Apr-03	5,570	48,940	48,940	0	48,940	0	985	NYG2772774	BFC	
1	WASTE LIQUID	HAZ	F003	Z-Valine NCA	CECOS	12342AAD	TREAT	24-Apr-03	5,310	43,320	43,320	0	43,320	0	986	NYG2772756	BFC	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	25-Apr-03	5,430	42,320	42,320	42,320	0	0	987	NYG2772693	BFC	
1	TOL/TMTC	HAZ	D001, D003, F005	TMTC	ENSCO	1392551	INCIN	5-May-03		500	500	500	0	0	988	AR1363361	MS CARRIERS	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST010903	INCIN	30-Apr-03	5,570	46,860	46,860	46,860	0	0	988	NYG2772513	BFC	
1	DMF	HAZ	D001	ACL	NORLITE	ST010202	INCIN	5-May-03	0	17,240	17,240	17,240	0	0	990	NYG2887074	BFC	
3	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	9-May-03	0	15,000	15,000	0	0	15,000	991	PAG366333	AUTUMN	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	14-May-03	6,290	39,880	39,880	39,880	0	0	992	NYG2772702	BFC	
1	NAOH/BARIUM	HAZ	D002, D005	Plant	CWM CHEM	BY1701	TREAT	15-May-03	0	430		0	430		993	NYG2887497	FREEHOLD	
88	WASTE LIQUID	HAZ	F002, F005, D021	PT-16 sludge	NORLITE	ST015103	INCIN	19-May-03	0	47,903	47,903	47,903	0	0	994	NYG2887479	UNITED IND	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	19-May-03	5,923	38,400	38,400	38,400	0	0	995	NYG2772711	BFC	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST010903	INCIN	21-May-03	0	45,680	45,680	45,680	0	0	996	NYG2772531	BFC	
1	PETROLEUM WASTE	NON			SAFETY CLN	10827JF	INCIN	30-May-03	25				0	0	997	NYD175773779	SAFETY CLN	

3	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	11-Jun-03	0	11,000	11,000	0	0	11,000	998	PAG366334	AUTUMN	
1	TOL/DMF	HAZ	D001, F005	ACL	NORLITE	ST014802	INCIN	16-Jun-03	5,238	44,700	44,700	44,700	0	0	999	NYG2886381	BFC	
2	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	17-Jun-03	0	7,500	7,500	0	0	7,500	1000	PAG366335	AUTUMN	
1	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	20-Jun-03	0	44,280	44,280	44,280	0	0	1001	NYG2886444	BFC	
5	SPENT CARBON	HAZ	F002	HEGCI	CALGON CAR	2542R	RECYC	25-Jun-03	0	5,000	5,000	0	0	5,000	1002	NYG2772153	HAZMAT	
1	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	25-Jun-03	5,850	43,760	43,760	43,760	0	0	1003	NYG2887902	BFC	
1	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL		RECYC	27-Jun-03	0	5,000	5,000	0	0	5,000	1004	PAG366336	AUTUMN	
1	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	30-Jun-03	42,190	6,002	6,002	6,002	0	0	1005	NYG2887911	BFC	
4	SPENT CARBON	HAZ	F002	HEGCI	CALGON CAR	CAN2542R	RECYC	1-Jul-03	0	4,000	4,000	0	0	4,000	1006	NYG2885517	HAZMAT	
1	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	3-Jul-03	4,000	27,140	27,140	27,140	0	0	1007	NYG2887929	BFC	
1	HCL	HAZ	D002, F002, F003, F005, D021		CECOS	12472AAD	TREAT	8-Jul-03	0	42,440	42,440	0	42,440	0	1008	NYG2885679	FREEHOLD	
1	HCL	HAZ	D002, F002, F003, F005, D021		CECOS	12472AAD	TREAT	8-Jul-03	0	41,780	41,780	0	41,780	0	1009	NYG2885787	FREEHOLD	
1	HCL	HAZ	D002, F002, F003, F005, D021		CECOS	12472AAD	TREAT	8-Jul-03	1,364	13,640	13,640	0	13,640	0	1010	NYG2885661	FREEHOLD	
3	CARBON/TOL	HAZ	F002, F003, F005		ENVIROTROL	CHEMNY-WW		10-Jul-03	0	10,000	10,000	0	0	10,000	1011	PAG366337	AUTUMN	
1	CARBON/MCB	HAZ	D001, D021, F002		ENVIROTROL	VDMNY-AF		10-Jul-03	0	365	365	0	0	365	1011	PAG366337	AUTUMN	
6	CARBON/MTBE	HAZ	D001, F005		ENVIROTROL	BUSPNY-AF		10-Jul-03	0	1,900	1,900	0	0	1,900	1011	PAG366337	AUTUMN	
35	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	18-Jul-03	0	9,000	9,000	9,000	0	0	1012	AR1363634	HAZMAT	
2	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	18-Jul-03	0	600	600	600	0	0	1012	AR1363634	HAZMAT	
1	TMTC	HAZ	D003, F005		ENSCO	1393020	INCIN	18-Jul-03	0	300	300	300	0	0	1012	AR1363634	HAZMAT	
25	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	18-Jul-03	0	12,500	12,500	12,500	0	0	1013	NYG28885742	UNITED IND	
4	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	18-Jul-03	0	2,000	2,000	2,000	0	0	1013	NYG28885742	UNITED IND	
13	HCL/TOL	HAZ	D002, F002, F003, F005, D021, D001		NORLITE	ST021203	INCIN	18-Jul-03	0	1,000	1,000	1,000	0	0	1013	NYG28885742	UNITED IND	
3	NON REG	NON			BRIDGEPORT	0927DN4		18-Jul-03	0	1,200	0	0		0	1015	CTF1140738	UNITED IND	
18	PTSI RESIDUE	NON			BRIDGEPORT	0928DN4		18-Jul-03	0	7,200	0	0		0	1015	CTF1140738	UNITED IND	
1	NON REG	NON			BRIDGEPORT	0929DN4		18-Jul-03	0	400	0	0		0	1015	CTF1140738	UNITED IND	
1	DCB/HEPTANE	HAZ	D001, F002, D021, F003	NDI	NORLITE	ST021803	INCIN	29-Jul-03	3,970	35,200	35,200	35,200	0	0	1016	NYG2885931	UNITED IND	
2	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	CHEMNY-WW	TREAT	30-Jul-03	0	9,000	9,000	0	0	9,000	1017	PAG475009	AUTUMN	
1	SPENT CARBON	HAZ	D001, F005		ENVIROTROL	BUSPNY-AF	TREAT	30-Jul-03	0	250	250	0	0	250	1017	PAG475009	AUTUMN	
1	SPENT CARBON	HAZ	D001, D021, F002		ENVIROTROL	VDMNY-AF	TREAT	30-Jul-03	0	286	286	0	0	286	1017	PAG475009	AUTUMN	
1	DCB/HEPTANE	HAZ	D001, F002, D021, F003	NDI	NORLITE	ST021803	INCIN	30-Jul-03	3,500	31,940	31,940	31,940	0	0	1018	NYG2885922	UNITED IND	
1	SODIUM HYDROXIDE	HAZ	D002	IPCF	EI DUPONT	OW11805T	TREAT	1-Aug-03	1,055	10,550	10,550		10,550	0	36113	NJA4136113	HM HTTC RES TEAM	
1	PETROLEUM WASTE	NON			SAFETY CLN	NY10827JF		18-Aug-03	0	169	0	0	0	0	1019	NYD175773779	SAFETY CLN	
1	DMF/HEPTANE	HAZ	D001	ACL	NORLITE	ST025003	INCIN	29-Aug-03	0	27,000	27,000	27,000	0	0	1020	NYG2885274	BFC	

1	MCB/DMF	HAZ	D001, F002, F003, D021, F005	NDI	NORLITE	ST021803	INCIN	3-Sep-03	4,237	38,540	38,540	38,540	0	0	1021	NYG2885211	UNITED IND	
2	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	CHEMNY-VWV	TREAT	4-Sep-03	0	9,000	9,000	0	0	9,000	1021	PAG475008	AUTUMN	
1	MCB/DMF	HAZ	D01, F002, F003, D021	NDI	NORLITE	ST021803	INCIN	4-Sep-03	0	3,393	3,393	3,393	0	0	1022	NYG2885355	UNITED IND	
62	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	4-Sep-03	0	18,600	18,600	18,600	0	0	1023	AR1363756	FREEHOLD	
17	TBI	HAZ	D001, D003		ENSCO	1453219	INCIN	4-Sep-03	0	1,900	1,900	1,900	0	0	1024	AR1363757	FREEHOLD	
1	PNBC	NON			NORLITE	ST021203		5-Sep-03	4,736	37,960	0	0	0	0	1025	NYD080469935	BFC	
36	IPCF	HAZ	D002, D003, D001		ENSCO	1434416	INCIN	4-Sep-03	0	16,200	16,200	16,200	0	0	1026	AR1363758	SJ TRANS	
1	WASTE SOLID	HAZ	D001		ENSCO	1453220	INCIN	4-Sep-03	0	275	275	275	0	0	1026	AR1363758	SJ TRANS	
1	DMF/TOL	HAZ	D001, F003, F005	NDI	NORLITE	ST023302	INCIN	16-Sep-03	0	39,820	39,820	39,820	0	0	1027	NYG2884941	BFC	
1	TOL/METH	HAZ	D001, F005, F003	NDI	NORLITE	ST028503	INCIN	18-Sep-03	0	44,940	44,940	44,940	0	0	1028	NYG2884518	BFC	
20	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022	NDI	NORLITE	ST004502	INCIN	18-Sep-03	0	6,000	6,000	6,000	0	0	1029	NYG2887749	UNITED IND	
1	WASTE LIQUID	HAZ	F002		NORLITE	ST010603	INCIN	18-Sep-03	0	300	300	300	0	0	1029	NYG2887749	UNITED IND	
1	DCB/HEPTANE	HAZ	D001, F002, D021, F005	NDI	NORLITE	ST021803	INCIN	18-Sep-03	0	350	350	350	0	0	1029	NYG2887749	UNITED IND	
5	ACE/TOL	HAZ	D001, F002, F003, D021, D022	NDI	NORLITE	ST004502	INCIN	18-Sep-03	0	1,500	1,500	1,500	0	0	1030	NYG2885004	UNITED IND	
4	DMF	HAZ	D001	ACL	NORLITE	ST010202	INCIN	18-Sep-03	0	1,200	1,200	1,200	0	0	1030	NYG2885004	UNITED IND	
2	DCB/HEPTANE	HAZ	D001, F002, D021, F005	NDI	NORLITE	ST021803	INCIN	18-Sep-03	0	600	600	600	0	0	1030	NYG2885004	UNITED IND	
1	PROPANOL	HAZ	D001, F002		NORLITE	ST010503	INCIN	18-Sep-03	0	300	300	300	0	0	1030	NYG2885004	UNITED IND	
1	TRIETHYLPHOSPHATE	NON			NORLITE	ST027003	INCIN	18-Sep-03	0	300	0	0	0	0	1031	CTD021816889	UNITED IND	
1	MAGNESIUM SULFATE	NON			BRIDGEPORT	2643EN4	INCIN	18-Sep-03	0	300	0	0	0	0	1032	CTF1132553	UNITED IND	
1	L-PHENYLALANENE	NON			BRIDGEPORT	2642EN4	INCIN	18-Sep-03	0	50	0	0	0	0	1032	CTF1132553	UNITED IND	
5	WASTE SOLID	NON			BRIDGEPORT	0927ON4	INCIN	18-Sep-03	0	2,000	0	0	0	0	1032	CTF1132553	UNITED IND	
8	PTSI RESIDUE	NON			BRIDGEPORT	0926DN4	INCIN	18-Sep-03	0	4,800	0	0	0	0	1032	CTF1132553	UNITED IND	
1	MET/TOL	HAZ	D001, F003, F005	FC 102	NORLITE	ST028503	INCIN	22-Sep-03	0	19,620	19,620	19,620	0	0	1033	NYG2884563	BFC	
1	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	24-Sep-03	0	300	300	300	0	0	1034	AR1363770	HAZMAT	
1	BATTERIES	NON			ENSCO	1449246	RECYC	24-Sep-03	0	30	0	0	0	30	1034	AR1363770	HAZMAT	
1	WASTE LIQUID	HAZ	F003	Scrubber	CECOS	12342	TREAT	7-Oct-03	2,511	21,017	21,017	0	21,017		1035	NYG3961944	BFC	
3	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	CHEMNY-VWV	TREAT	15-Oct-03	0	10,000	10,000	0	0	10,000	1036	PAG366338	AUTUMN	
2	SPENT CARBON	HAZ	D001, F005		ENVIROTROL	BUSPNY-AF	TREAT	15-Oct-03	0	400	400	0	0	400	1036	PAG366338	AUTUMN	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	15-Oct-03	0	41,920	41,920	41,920	0	0	1037	NYG2884572	BFC	
1	SOD HYD/SOD CL	HAZ	D002, F002, F005	Scrubber	CECOS	12342-AAE	TREAT	16-Oct-03	0	44,683	44,683	0	44,683	0	1038	NYG3959478	BFC	
1	SOD HYD/SOD CL	HAZ	D002, F002, F005	Scrubber	CECOS	12342AAE	TREAT	17-Oct-03	0	41,200	41,200	0	41,200	0	1039	NYG3959496	BFC	
1	SOD HYD/SOD CL	HAZ	D002, F002, F005	Scrubber	CECOS	12342AAE	TREAT	17-Oct-03	0	39,732	39,732	0	39,732	0	1040	NYG3959487	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	21-Oct-03	0	37,020	37,020	37,020	0	0	1041	NYG2884599	BFC	

1	SOD HYD/SOD CL	HAZ	D002, F002, F005		CECOS	12342AAE	TREAT	21-Oct-03	0	45,036	45,036	0	45,036	0	1042	NYG3959361	BFC	
1	WASTE LAMPS	NON			ENSCO			23-Oct-03	0	400	0	0	0	0	1043	996867	FREEHOLD	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	23-Oct-03	0	39,280	39,280	39,280	0	0	1044	NYG2884608	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	24-Oct-03	0	41,480	41,480	41,480	0	0	1045	NYG2884617	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	27-Oct-03	0	46,580	46,580	46,580	0	0	1046	NYG2884626	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	29-Oct-03	0	40,860	40,860	40,860	0	0	1047	NYG2884635	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	3-Nov-03	0	43,020	43,020	43,020	0	0	1048	NYG2884653	BFC	
1	PNBC	NON		PNBC	NORLITE	ST021203	INCIN	29-Oct-03	0	40,380	0	0	0	0	1049	NYD080469935	UNITED IND	
1	PNBC	NON		PNBC	NORLITE	ST021203	INCIN	31-Oct-03	0	18,260	0	0	0	0	1050	NYD080469935	UNITED IND	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	5-Nov-03	0	43,340	43,340	43,340	0	0	1051	NYG2884662	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	2-Nov-03	0	43,005	43,005	43,005	0	0	1052	NYF2884671	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	3-Nov-03	0	41,760	41,760	41,760	0	0	1053	NYG2884689	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	4-Nov-03	0	46,180	46,180	46,180	0	0	1054	NYG2884698	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	10-Nov-03	0	41,460	41,460	41,460	0	0	1055	NYG2884707	BFC	
1	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	11-Nov-03	0	300	300	300	0	0	1056	AR1363492	HAZMAT	
2	NBA	HAZ	D001		ENSCO	1453251	INCIN	11-Nov-03	0	500	500	500	0	0	1056	AR1363492	HAZMAT	
1	P-NITROPHENOLS	HAZ	U170		ENSCO	1453242	INCIN	11-Nov-03	0	170	170	170	0	0	1056	AR1363492	HAZMAT	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	12-Nov-03	0	43,060	43,060	43,060	0	0	1057	NYG3961512	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	14-Nov-03	0	44,600	44,600	44,600	0	0	1058	NYG3961521	BFC	
1	PETROLEUM WASTE	NON			SAFETY CLN	10827JF		12-Nov-03	24	175	0				1059	103788726	SAFETY CLN	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	17-Nov-03	0	46,680	46,680	46,680	0	0	1060	NYG3961539	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	21-Nov-03	0	44,900	44,900	44,900	0	0	1061	NYG3961548	BFC	
1	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	VANCHEMNY	TREAT	25-Nov-03	0	10,000	10,000	0	0	10,000	1062	PAG475077	AUTUMN	
3	SPENT CARBON	HAZ	D001, F005		ENVIROTROL	VANBUSPNY	TREAT	25-Nov-03	0	555	555	0	0	555	1062	PAG475077	AUTUMN	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	25-Nov-03	0	44,840	44,840	44,840	0	0	1063	NYG3961566	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	1-Dec-03	0	45,640	45,640	45,640	0	0	1064	NYG3961557	BFC	
38	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	2-Dec-03	0	15,200	15,200	15,200	0	0	1065	AR1363517	FREEHOLD	
5	TOL/TMTC	HAZ	D001, D003, F005		ENSCO	1392551	INCIN	2-Dec-03	0	2,000	2,000	2,000	0	0	1065	AR1363517	FREEHOLD	
1	P-NITROPHENOLS	HAZ	U170		ENSCO	1453242	INCIN	2-Dec-03	0	100	100	100	0	0	1065	AR1363517	FREEHOLD	
1	WASTE LIQUID	HAZ	F002		ENSCO	1434023	INCIN	2-Dec-03	0	100	100	100	0	0	1065	AR1363517	FREEHOLD	
1	TOL/DEA	HAZ	D001, F005		ENSCO	1328204	INCIN	2-Dec-03	0	250	250	250	0	0	1065	AR1363517	FREEHOLD	
1	MCB/HCL	HAZ	D001, D002, F003		ENSCO	1434112	INCIN	2-Dec-03	0	250	250	250	0	0	1065	AR1363517	FREEHOLD	
2	WASTE LIQUID	HAZ	D003, D021	HEGCI	ENSCO	1318824	INCIN	2-Dec-03	0	500	500	500	0	0	1065	AR1363517	FREEHOLD	

24	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022	NDI	NORLITE	ST004502	INCIN	2-Dec-03	0	7,200	7,200	7,200	0	0	1066	NYG3958524	UNITED IND	
7	ODCB/HEPTANE	HAZ	D001	NDI	NORLITE	ST021803	INCIN	2-Dec-03	0	2,100	2,100	2,100	0	0	1066	NYG3958524	UNITED IND	
3	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022	NDI	NORLITE	ST004502	INCIN	2-Dec-03	0	900	900	900	0	0	1066	NYG3958524	UNITED IND	
7	HCL/TOL	HAZ	D002, F002, F003, F005, D021, D001		BRIDGEPORT	2258ESTD2L	INCIN	2-Dec-03	0	2,100	2,100	2,100	0	0	1067	CTF1000391	UNITED IND	
10	NON REG	NON			BRIDGEPORT	0927DN4	INCIN	2-Dec-03	0	3,000	0	0	0	0	1067	CTF1000391	UNITED IND	
12	NON REG	NON			BRIDGEPORT	0928DN4	INCIN	2-Dec-03	0	6,000	0	0	0	0	1067	CTF1000391	UNITED IND	
1	NON REG	NON			NORLITE	ST034103	INCIN	2-Dec-03	0	400	0	0	0	0	1069	CTV31324	UNITED IND	
1	SODIUM HYDROXIDE	HAZ	D002, D005		CWM CHEM	BY1707	TREAT	3-Dec-03	0	400	400	0	400	0	1069	NYG3961296	FREEHOLD	
3	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	CHEMNYWV	RECYC	16-Dec-03	0	15,000	15,000	0	0	15000	1070	PAG475079	AUTUMN	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	18-Dec-03	0	44,340	44,340	44,340	0	0	1071	NYG3961584	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	22-Dec-03	0	43,119	43,119	43,119	0	0	1072	NYG3961575	BFC	
1	BZOH	NON		BFC	NORLITE	ST039703	INCIN	23-Dec-03	0	47,020	0	0	0	0	1073	NYR0000457242	BFC	
4	NON REG	NON			BRIDGEPORT	0927DN4	INCIN	23-Dec-03	0	2,400	0	0	0	0	1074	CTF0563840	UNITED IND	
1	NON REG	NON			BRIDGEPORT	0927DN4	INCIN	23-Dec-03	0	100	0	0	0	0	1074	CTF0563840	UNITED IND	
1	NON REG	NON			NORLITE	ST004902	INCIN	23-Dec-03	0	300	0	0	0	0	1075	CTD021816889	UNITED IND	
15	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	23-Dec-03	0	4,500	4,500	4,500	0	0	1076	NYG3958227	UNITED IND	
41	CHLOROBENZENE	HAZ	D001, F002, D021	NDI	NORLITE	ST040003	INCIN	23-Dec-03	0	12,300	12,300	12,300	0	0	1076	NYG3958227	UNITED IND	
2	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	23-Dec-03	0	600	600	600	0	0	1076	NYG3958227	UNITED IND	
4	THF/MTBE	HAZ	D001		NORLITE	ST012403	INCIN	23-Dec-03	0	1,200	1,200	1,200	0	0	1076	NYG3958227	UNITED IND	
15	MCB/HEPTANE	HAZ	D001, F002, D021, F005		NORLITE	ST021803	INCIN	23-Dec-03	0	4,500	4,500	4,500	0	0	1077	NYG3958245	UNITED IND	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	23-Dec-03	0	300	300	300	0	0	1077	NYG3958245	UNITED IND	
12	HAZ WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	23-Dec-03	0	3,600	3,600	3,600	0	0	1078	AR1294484	FREEHOLD	
9	HAZ WASTE LIQUID	HAZ	D003, D021		ENSCO	1408339	INCIN	23-Dec-03	0	2,700	2,700	2,700	0	0	1078	AR1294484	FREEHOLD	
3	TRIETHYLAMINE	HAZ	D001, D002		ENSCO	1453343	INCIN	23-Dec-03	0	900	900	900	0	0	1078	AR1294484	FREEHOLD	
4	NBI	HAZ	D001, D003		ENSCO	1453334	INCIN	23-Dec-03	0	1,200	1,200	1,200	0	0	1078	AR1294484	FREEHOLD	
6	NON REG	HAZ			ENSCO	1453335	INCIN	23-Dec-03	0	600	600	600	0	0	1078	AR1294484	FREEHOLD	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	29-Dec-03	0	46,220	46,220	46,220	0	0	1079	NYG3961593	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	29-Dec-03	0	45,360	45,360	45,360	0	0	1080	NYG3961602	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	31-Dec-03	0	46,653	46,653	46,653	0	0	1081	NYG3958695	BFC	

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2003 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	WASTE THF/MTBE	HAZ	D001	Z -Valine	EQ RESOURCE	L55102	INCIN	3-Jan-03	0	44,118	44,118	44,118	0	0	928	MI7612373	BFC	
1	WASTE NN DMF	HAZ	D001	ACL	NORLITE	ST010202	INCIN	7-Jan-03	1,921	15,460	15,460	15,460	0	0	929	NYG2774691	BFC	
1	WASTE THF/MTBE	HAZ	D001	Z -Valine	EQ RESOURCE	L55102	INCIN	10-Jan-03	5,978	44,223	44,223	44,223	0	0	930	MI8666864	BFC	
1	THF/MTBE	HAZ	D001	Z -Valine	EI DUPONT	OW11243	TREAT	10-Jan-03	0	39,800	39,800	0	39,800	0	931	NJA4087188	BFC	
1	THF/MTBE	HAZ	D001	Z -Valine	EQ RESOURCE	L55102	INCIN	14-Jan-03	0	38,260	38,260	38,260	0	0	932	MI8688752	BFC	
1	THF/MTBE	HAZ	D001	Z -Valine	EI DUPONT	OW11243	TREAT	15-Jan-03	4,900	43,200	43,200	0	43,200	0	933	NJA4134265	BFC	
1	THF/MTBE	HAZ	D001	Z -Valine	EI DUPONT	OW11243	TREAT	15-Jan-03	0	33,220	33,220	0	33,220	0	934	NJA4134266	BFC	
1	TOL/METH	HAZ	D001, F005, F003	FC 102	EI DUPONT	OW11243	TREAT	28-Jan-03	0	40,280	40,280	0	40,280	0	935	NJA4087194	BFC	
1	XYLENE/METH	HAZ	D001, F003, F005	TMBCI	EQ RESOURCE	J51201	INCIN	29-Jan-03	0	42,660	42,660	42,660	0	0	936	MI8666863	BFC	
4	TOL/AQUEOUS AMM	HAZ	D001, F005		ENSCO	1434065	INCIN	29-Jan-03	0	1,200	1,200	1,200	0	0	937	AR1363888	FREEHOLD	
3	PHENOL SOL	HAZ	U188		ENSCO	1434066	INCIN	29-Jan-03	0	900	900	900	0	0	937	AR1363888	FREEHOLD	
1	THIONYL CL	HAZ	D002, D003		ENSCO	1434068	INCIN	29-Jan-03	0	300	300	300	0	0	937	AR1363888	FREEHOLD	
1	BCF	HAZ	D002, D003		ENSCO	1434004	INCIN	29-Jan-03	0	300	300	300	0	0	937	AR1363888	FREEHOLD	
6	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	29-Jan-03	0	2,100	2,100	2,100	0	0	937	AR1363888	FREEHOLD	
12	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	29-Jan-03	0	3,900	3,900	3,900	0	0	937	AR1363888	FREEHOLD	
40	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		ENSCO	1419677	INCIN	29-Jan-03	0	12,000	12,000	12,000	0	0	937	AR1363888	FREEHOLD	
3	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		ENSCO	1419677	INCIN	29-Jan-03	0	900	900	900	0	0	937	AR1363888	FREEHOLD	
1	BCF	HAZ	D002, D003		ENSCO	1434004	INCIN	29-Jan-03	0	300	300	300	0	0	937	AR1363888	FREEHOLD	
1	SANDBLAST	NON			ENSCO	1434043	INCIN	29-Jan-03	0	300	0	300	0	0	937	AR1363888	FREEHOLD	
8	AVE/MACOL/H2O	NON			ENSCO	1309281	INCIN	29-Jan-03	0	1,600	0	1,600	0	0	937	AR1363888	FREEHOLD	
1	TBOCPHE	NON			ENSCO	1434073	INCIN	29-Jan-03	0	300	0	300	0	0	937	AR1363888	FREEHOLD	
5	PTSI RESIDUE	NON			ENSCO	225079	INCIN	29-Jan-03	0	1,500	0	1,500	0	0	937	AR1363888	FREEHOLD	
1	PNBC	NON			ENSCO	1434067	INCIN	29-Jan-03	0	300	0	300	0	0	937	AR1363888	FREEHOLD	
1	TMBA RESIDUE	NON			ENSCO	1434064	INCIN	29-Jan-03	0	300	0	300	0	0	937	AR1363888	FREEHOLD	
2	HEGCL RAG LAYER	NON			ENSCO	1434069	INCIN	29-Jan-03	0	600	0	600	0	0	937	AR1363888	FREEHOLD	
1	TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	30-Jan-03	0	42,780	42,780	0	42,780	0	938	NJA4087189	BFC	
1	TOL/METH	HAZ	D001, F005, F003	FC102	EQ RESOURCE	J51201	INCIN	3-Feb-03	0	38,880	38,880	38,880	0	0	939	MI7513982	BFC	
1	XYLENE/TMBCL	HAZ	D001, F003, F005, D002	TMBCI	EQ RESOURCE	A521030TS	INCIN	3-Feb-03	0	21,000	21,000	21,000	0	0	940	MI8688603	BFC	
1	TOL/METH	HAZ	D001, F005, F003	FC102	EQ RESOURCE	J51201	INCIN	5-Feb-03	0	43,680	43,680	43,680	0	0	941	MI7513981	BFC	
1	TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	6-Feb-03	0	40,080	40,080	0	40,080	0	942	NJA4087191	BFC	
1	TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	7-Feb-03	5,585	46,640	46,640	0	46,640	0	943	NYJ4087190	BFC	
1	XYLENE	HAZ	F003	TMBCI/GCPCF	CECOS	12472AAC	TREAT	4-Feb-03	4,974	41,480	41,480	0	41,480	0	944	NYG2775411	BFC	
1	XYLENE	HAZ	F003	TMBCI/GCPCF	CECOS	12472AAC	TREAT	4-Feb-03	4,885	40,740	40,740	0	40,740	0	945	NYG2775429	BFC	
1	XYLENE	HAZ	F003	TMBCI/GCPCF	CECOS	12472AAC	TREAT	5-Feb-03	4,900	40,866	40,866	0	40,866	0	946	NYG2775393	FRANKS	
3	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	5-Feb-03	0	12,020	12,020	0	0	12,020	947	PAG366326	AUTUMN	
2	USED OIL / WATER	NON		Maintenance	SAFETY CLN	10827JF	TREAT	7-Feb-03	0	700	0	0	0	0	948	TXR000050930	SAFETY CLN	
1	TOL/METH	HAZ	D001, F005, F003	FC102	EQ RESOURCE	J51201	INCIN	10-Feb-03	0	44,140	44,140	44,140	0	0	949	MI7513980	BFC	
1	XYLENE/TMBCL	HAZ	D001, F003, F005, D002	TMBCI	EQ RESOURCE	13556	INCIN	10-Feb-03	0	26,300	26,300	26,300	0	0	950	MI8688629	BFC	
1	TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	12-Feb-03	5,284	45,580	45,580	0	45,580	0	951	NJA4087193	BFC	
2	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	12-Feb-03	0	8,080	8,080	0	0	8,080	952	PAG366328	AUTUMN	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	19-Feb-03	5,948	43,740	43,740	43,740	0	0	953	MI7513973	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	20-Feb-03	5,490	47,600	47,600	0	47,600	0	953	NJA4087192	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	21-Feb-03	5,461	46,140	46,140	0	46,140	0	954	NJA4087176	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	21-Feb-03	5,968	44,040	44,040	44,040	0	0	955	MI7513972	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	28-Feb-03	5,151	42,340	42,340	0	42,340	0	956	NJA4134472	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	3-Mar-03	5,713	42,180	42,180	42,180	0	0	957	MI7513974	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	5-Mar-03	6,080	44,000	44,000	44,000	0	0	958	MI7513975	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	5-Mar-03	4,956	43,640	43,640	0	43,640	0	959	NJA4134473	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	7-Mar-03	5,241	45,560	45,560	0	45,560	0	960	NJA4134474	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	10-Mar-03	6,285	45,440	45,440	45,440	0	0	961	MI7513976	BFC	
1	PETROLEUM WASTE	NON			SAFETY CLN	NY10827JF	INCIN	4-Mar-03	0	156	0	156	0	0	961	TXR000050930	SAFETY CLN	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	11-Mar-03	5,208	44,520	44,520	0	44,520	0	962	NJA4134475	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	NORLITE	0209-01	INCIN	13-Mar-03	5,363	41,640	41,640	41,640	0	0	963	NYG2773872	BFC	
2	MCF	HAZ	D001, D002, D003		ENSCO	1434070	TREAT	14-Mar-03	0	600	600	0	600	0	964	AR1363844	MS CARRIER	
19	NMETH2PYRO/ACE	HAZ	F002, F003, F005, D021		MARISOL INC	17144-20196-	TREAT	14-Mar-03	0	7,250	7,250	0	7,250	0	965	NJA4134482	FREEHOLD	
2	SPENT CARBON	HAZ	F002, F005, F003		ENVIROTROL		RECYC	14-Mar-03	0	11,000	11,000	0	0	11,000	966	PAG366329	AUTUMN	

L = LANDFILL
B = INCINERATIION
T = TREATED
R = RECYCLE

2003 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
21	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	14-Mar-03	0	5,250	5,250	5,250	0	0	966	AR1363880	FREEHOLD	
16	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	14-Mar-03	0	8,000	8,000	8,000	0	0	966	AR1363880	FREEHOLD	
4	WASTE FLAM LIQUID	HAZ	D001, D002, F003		ENSCO	1419663	INCIN	14-Mar-03	0	2,000	2,000	2,000	0	0	966	AR1363880	FREEHOLD	
6	WASTE LIQUID	HAZ	F002		ENSCO	1434023	INCIN	14-Mar-03	0	3,000	3,000	3,000	0	0	966	AR1363880	FREEHOLD	
7	2-PROPANOL	HAZ	D001, F002, F003		ENSCO	1434024	INCIN	14-Mar-03	0	3,500	3,500	3,500	0	0	966	AR1363880	FREEHOLD	
1	TOL/GCPCF	HAZ	D001, F005		ENSCO	1434090	INCIN	14-Mar-03	0	500	500	500	0	0	966	AR1363880	FREEHOLD	
1	ACE/TOL	HAZ	D001, F002, F003		ENSCO	1419677	INCIN	14-Mar-03	0	500	500	500	0	0	966	AR1363880	FREEHOLD	
13	ACE/TOL	HAZ	D001, F002, F003		ENSCO	1419677	INCIN	14-Mar-03	0	6,500	6,500	6,500	0	0	966	AR1363880	FREEHOLD	
6	PTSI RESIDUE	NON			ENSCO	225079	INCIN	14-Mar-03	0	3,000	0	3,000	0	0	966	AR1363880	FREEHOLD	
4	USED DMF	NON			ENSCO	658592	INCIN	14-Mar-03	0	2,000	0	2,000	0	0	966	AR1363880	FREEHOLD	
1	RQ LIQUID	HAZ	F003	Z -Valine NCA	CECOS	12342	TREAT	21-Mar-03	4,500	37,530	37,530	0	0	0	967	NYB5565168	BFC	
1	RQ LIQUID	HAZ	F003	Z -Valine NCA	CECOS	12342	TREAT	21-Mar-03	4,329	36,104	36,104	0	36,104	0	968	NYB5565159	BFC	
1	RQ LIQUID	HAZ	F003	Z -Valine NCA	CECOS	12342-AAC	TREAT	24-Mar-03	5,308	39,820	39,820	0	39,820	0	969	NYG2772117	BFC	
1	RQ LIQUID	HAZ	F003	Z -Valine NCA	CECOS	12342-AAC	TREAT	23-Mar-03	0	42,900	42,900	0	42,900	0	970	NYG2772126	BFC	
1	THF/HEPTANE	HAZ	D001	Z -Valine NCA	EQ RESOURCE	L55102	INCIN	25-Mar-03	6,228	44,040	44,040	44,040	0	0	971	MI8688943	BFC	
3	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL		RECYC	26-Mar-03	15,000	15,000	15,000	0	0	15,000	972	PAG366330	AUTUMN	
1	THF/HEPTANE	HAZ	D001	Z -Valine NCA	EQ RESOURCE	L55102	INCIN	27-Mar-03	6,104	41,140	41,140	41,140	0	0	973	MI8688942	BFC	
1	RQ LIQUID	HAZ	F003	Z -Valine NCA	CECOS	12342-AAC	TREAT	28-Mar-03	5,151	42,959	42,959	0	42,959	0	974	NYG2772135	BFC	
1	RQ LIQUID	HAZ	F003	Z -Valine NCA	CECOS	12342-AAC	TREAT	28-Mar-03	5,145	42,909	42,909	0	42,909	0	975	NYG2772144	BFC	
1	THF/MTBE	HAZ	D001	Z -Valine NCA	EQ RESOURCE	14632	INCIN	4-Apr-03	6,060	43,540	43,540	43,540	0	0	975	MI8688944	BFC	
1	THF/MTBE	HAZ	D001	Z -Valine NCA	EQ RESOURCE	L55102	INCIN	9-Apr-03	5,668	42,497	42,497	42,497	0	0	976	MI8688945	BFC	
1	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	10-Apr-03	0	6,000	6,000	0	0	6,000	977	PAG366331	AUTUMN	
1	THF/MTBE	HAZ	D001, F003, F005	Z-Valine NCA	EI DUPONT	OW11243		10-Apr-03	5,000	43,420	43,420		43,420		978	NJA4134346	BFC	
16	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	21-Apr-03		6,500	6,500	6,500	0	0	979	AR1363670	SJ TRANS	
13	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	21-Apr-03		5,200	5,200	5,200	0	0	979	AR1363670	SJ TRANS	
34	MCB, HCL	HAZ	F002, F003, F005, D021, D022	PTSI	ENSCO	1434112	INCIN	21-Apr-03		13,600	13,600	13,600	0	0	979	AR1363670	SJ TRANS	
2	BCF	HAZ	D002, D003		ENSCO	1434004	INCIN	21-Apr-03		400	400	400	0	0	979	AR1363670	SJ TRANS	
1	IPCF	HAZ	D001, D002, D003		ENSCO	1434116	INCIN	21-Apr-03		74	74	74	0	0	979	AR1363670	SJ TRANS	
5	PTSI RESIDUE	NON			BRIDGEPORT	0928DN4		21-Apr-03		3,000	0				980	CTF0563836	UNITED IND	
3	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004501	INCIN	21-Apr-03		900	900	900	0	0	981	NYG2772648	UNITED IND	
33	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	21-Apr-03		9,900	9,900	9,900	0	0	981	NYG2772648	UNITED IND	
1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	21-Apr-03		500	500	500	0	0	981	NYG2772648	UNITED IND	
1	PROPANOL	HAZ	D001, F002		NORLITE	ST010503	INCIN	21-Apr-03		300	300	300	0	0	982	NYG2772657	UNITED IND	
2	WASTE LIQUID	HAZ	F002		NORLITE	ST010603	INCIN	21-Apr-03		600	600	600	0	0	982	NYG2772657	UNITED IND	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	21-Apr-03		42,760	42,760	42,760	0	0	983	NYG2772675	BFC	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	23-Apr-03	5,544	42,740	42,740	42,740	0	0	984	NYG2772684	BFC	
1	WASTE LIQUID	HAZ	F003	Z-Valine NCA	CECOS	12342AAD	TREAT	24-Apr-03	5,570	48,940	48,940	0	48,940	0	985	NYG2772774	BFC	
1	WASTE LIQUID	HAZ	F003	Z-Valine NCA	CECOS	12342AAD	TREAT	24-Apr-03	5,310	43,320	43,320	0	43,320	0	986	NYG2772756	BFC	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	25-Apr-03	5,430	41,140	41,140	41,140	0	0	987	NYG2772693	BFC	
1	TOL/TMTC	HAZ	D001, D003, F005	TMTC	ENSCO	1392551	INCIN	5-May-03		500	500	500	0	0	988	AR1363361	MS CARRIERS	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST010903	INCIN	30-Apr-03	5,570	46,860	46,860	46,860	0	0	988	NYG2772513	BFC	
1	DMF	HAZ	D001	ACL	NORLITE	ST010202	INCIN	5-May-03	0	17,240	17,240	17,240	0	0	990	NYG2887074	BFC	
3	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	9-May-03	0	15,000	15,000	0	0	15,000	991	PAG366333	AUTUMN	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	14-May-03	6,290	48,433	48,433	48,433	0	0	992	NYG2772702	BFC	
1	NAOH/BARIUM	HAZ	D002, D005	Plant	CWM CHEM	BY1701	TREAT	15-May-03	0	430	430	0	430		993	NYG2887497	FREEHOLD	
88	WASTE LIQUID	HAZ	F002, F005, D021	PT-16 sludge	NORLITE	ST015103	INCIN	19-May-03	0	47,903	47,903	47,903	0	0	994	NYG2887479	UNITED IND	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	19-May-03	5,923	39,210	39,210	39,210	0	0	995	NYG2772711	BFC	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST010903	INCIN	21-May-03	0	45,092	45,092	45,092	0	0	996	NYG2772531	BFC	
1	PETROLEUM WASTE	NON			SAFETY CLN	10827JF	INCIN	30-May-03	25				0	0	997	NYD17573779	SAFETY CLN	
3	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	11-Jun-03	0	11,000	11,000	0	0	11,000	998	PAG366334	AUTUMN	
1	TOL/DMF	HAZ	D001, F005	ACL	NORLITE	ST014802	INCIN	16-Jun-03	5,238	44,700	44,700	44,700	0	0	999	NYG2886381	BFC	
2	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	17-Jun-03	0	7,500	7,500	0	0	7,500	1000	PAG366335	AUTUMN	
1	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	20-Jun-03	0	44,280	44,280	44,280	0	0	1001	NYG2886444	BFC	
5	SPENT CARBON	HAZ	F002	HEGCI	CALGON CAR	2542R	RECYC	25-Jun-03	0	5,000	5,000	0	0	5,000	1002	NYG2772153	HAZMAT	
1	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	25-Jun-03	5,850	43,760	43,760	43,760	0	0	1003	NYG2887902	BFC	

L = LANDFILL

B = INCINERATION

T = TREATED

R = RECYCLE

S = STORAGE

2003 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL		RECYC	27-Jun-03	0	5,000	5,000	0	0	5,000	1004	PAG366336	AUTUMN	
1	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	30-Jun-03	6,002	42,190	42,190	42,190	0	0	1005	NYG2887911	BFC	
4	SPENT CARBON	HAZ	F002	HEGCI	CALGON CAR	CAN2542R	RECYC	1-Jul-03	0	4,000	4,000	0	0	4,000	1006	NYG2885517	HAZMAT	
1	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	3-Jul-03	4,000	27,140	27,140	27,140	0	0	1007	NYG2887929	BFC	
			D002, F002, F003, F005, D021		CECOS	12472AAD	TREAT	8-Jul-03	0	42,440	42,440	0	42,440	0	1008	NYG2885679	FREEHOLD	
1	HCL	HAZ	D002, F002, F003, F005, D021		CECOS	12472AAD	TREAT	8-Jul-03	0	41,780	41,780	0	41,780	0	1009	NYG2885787	FREEHOLD	
1	HCL	HAZ	D002, F002, F003, F005, D021		CECOS	12472AAD	TREAT	8-Jul-03	1,364	13,640	13,640	0	13,640	0	1010	NYG2885661	FREEHOLD	
3	CARBON/TOL	HAZ	F002, F003, F005		ENVIROTROL	CHEMNY-WV		10-Jul-03	0	10,000	10,000	0	0	10,000	1011	PAG366337	AUTUMN	
1	CARBON/MCB	HAZ	D001, D021, F002		ENVIROTROL	VDMNY-AF		10-Jul-03	0	365	365	0	0	365	1011	PAG366337	AUTUMN	
6	CARBON/MTBE	HAZ	D001, F005		ENVIROTROL	BUSPNY-AF		10-Jul-03	0	1,900	1,900	0	0	1,900	1011	PAG366337	AUTUMN	
35	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	18-Jul-03	0	9,000	9,000	9,000	0	0	1012	AR1363634	HAZMAT	
2	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	18-Jul-03	0	600	600	600	0	0	1012	AR1363634	HAZMAT	
1	TMTC	HAZ	D003, F005		ENSCO	1393020	INCIN	18-Jul-03	0	300	300	300	0	0	1012	AR1363634	HAZMAT	
25	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	18-Jul-03	0	12,500	12,500	12,500	0	0	1013	NYG28885742	UNITED IND	
4	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	18-Jul-03	0	2,000	2,000	2,000	0	0	1013	NYG28885742	UNITED IND	
13	HCL/TOL	HAZ	D002, F002, F003, F005, D021, D001		NORLITE	ST021203	INCIN	18-Jul-03	0	1,000	1,000	1,000	0	0	1013	NYG28885742	UNITED IND	
3	NON REG	NON			BRIDGEPORT	0927DN4		18-Jul-03	0	1,200	0	0		0	1015	CTF1140738	UNITED IND	
18	PTSI RESIDUE	NON			BRIDGEPORT	0928DN4		18-Jul-03	0	7,200	0	0		0	1015	CTF1140738	UNITED IND	
1	NON REG	NON			BRIDGEPORT	0929DN4		18-Jul-03	0	400	0	0		0	1015	CTF1140738	UNITED IND	
1	DCB/HEPTANE	HAZ	D001, F002, D021, F003	NDI	NORLITE	ST021803	INCIN	29-Jul-03	3,970	35,200	35,200	35,200	0	0	1016	NYG2885931	UNITED IND	
2	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	CHEMNY-WV	TREAT	30-Jul-03	0	9,000	9,000	0	0	9,000	1017	PAG475009	AUTUMN	
1	SPENT CARBON	HAZ	D001, F005		ENVIROTROL	BUSPNY-AF	TREAT	30-Jul-03	0	250	250	0	0	250	1017	PAG475009	AUTUMN	
1	SPENT CARBON	HAZ	D001, D021, F002		ENVIROTROL	VDMNY-AF	TREAT	30-Jul-03	0	286	286	0	0	286	1017	PAG475009	AUTUMN	
			D001, F002, D021, F003	NDI	NORLITE	ST021803	INCIN	30-Jul-03	3,500	31,940	31,940	31,940	0	0	1018	NYG2885922	UNITED IND	
1	SODIUM HYDROXIDE	HAZ	D002	IPCF	EI DUPONT	OW11805T	TREAT	1-Aug-03	1,055	10,550	10,550		10,550	0	36113	NJA4136113	HM HTTC RES TEAM	
1	PETROLEUM WASTE	NON			SAFETY CLN	NY10827JF		18-Aug-03	0	169	0	0	0	0	1019	NYD17573779	SAFETY CLN	
1	DMF/HEPTANE	HAZ	D001	ACL	NORLITE	ST025003	INCIN	29-Aug-03	0	27,000	27,000	27,000	0	0	1020	NYG2885274	BFC	
1	MCB/DMF	HAZ	D001, F002, F003, D021, F005	NDI	NORLITE	ST021803	INCIN	3-Sep-03	4,237	38,540	38,540	38,540	0	0	1021	NYG2885211	UNITED IND	
2	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	CHEMNY-WV	TREAT	4-Sep-03	0	9,000	9,000	0	0	9,000	1021	PAG475008	AUTUMN	
			D01, F002, F003, D021	NDI	NORLITE	ST021803	INCIN	4-Sep-03	3,393	30,140	301,240	30,140	0	0	1022	NYG2885355	UNITED IND	
62	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	4-Sep-03	0	18,600	18,600	18,600	0	0	1023	AR1363756	FREEHOLD	
17	TBI	HAZ	D001, D003		ENSCO	1453219	INCIN	4-Sep-03	0	1,900	1,900	1,900	0	0	1024	AR1363757	FREEHOLD	
1	PNBC	NON			NORLITE	ST021203		5-Sep-03	4,736	37,960	0	0	0	0	1025	NYD08046993	BFC	
36	IPCF	HAZ	D002, D003, D001		ENSCO	1434416	INCIN	4-Sep-03	0	16,200	16,200	16,200	0	0	1026	AR1363758	SJ TRANS	
1	WASTE SOLID	HAZ	D001		ENSCO	1453220	INCIN	4-Sep-03	0	275	275	275	0	0	1026	AR1363758	SJ TRANS	
1	DMF/TOL	HAZ	D001, F003, F005	NDI	NORLITE	ST023302	INCIN	16-Sep-03	0	39,820	39,820	39,820	0	0	1027	NYG2884941	BFC	
1	TOL/METH	HAZ	D001, F005, F003	NDI	NORLITE	ST028503	INCIN	18-Sep-03	0	44,940	44,940	44,940	0	0	1028	NYG2884518	BFC	
20	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022	NDI	NORLITE	ST004502	INCIN	18-Sep-03	0	6,000	6,000	6,000	0	0	1029	NYG2887749	UNITED IND	
1	WASTE LIQUID	HAZ	F002		NORLITE	ST010603	INCIN	18-Sep-03	0	300	300	300	0	0	1029	NYG2887749	UNITED IND	
			D001, F002, D021, F005	NDI	NORLITE	ST021803	INCIN	18-Sep-03	0	350	350	350	0	0	1029	NYG2887749	UNITED IND	
5	ACE/TOL	HAZ	D001, F002, F003, D021, D022	NDI	NORLITE	ST004502	INCIN	18-Sep-03	0	1,500	1,500	1,500	0	0	1030	NYG2885004	UNITED IND	
4	DMF	HAZ	D001	ACL	NORLITE	ST010202	INCIN	18-Sep-03	0	1,200	1,200	1,200	0	0	1030	NYG2885004	UNITED IND	
2	DCB/HEPTANE	HAZ	D001, F002, D021, F005	NDI	NORLITE	ST021803	INCIN	18-Sep-03	0	600	600	600	0	0	1030	NYG2885004	UNITED IND	

2003 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	PROPANOL	HAZ	D001, F002		NORLITE	ST010503	INCIN	18-Sep-03	0	300	300	300	0	0	1030	NYG2885004	UNITED IND	
1	TRIETHYLPHOSPHATE	NON			NORLITE	ST027003	INCIN	18-Sep-03	0	300	0	0	0	0	1031	CTD021816889	UNITED IND	
1	MAGNESIUM SULFATE	NON			BRIDGEPORT	2643EN4	INCIN	18-Sep-03	0	300	0	0	0	0	1032	CTF1132553	UNITED IND	
1	L-PHENYLALANENE	NON			BRIDGEPORT	2642EN4	INCIN	18-Sep-03	0	50	0	0	0	0	1032	CTF1132553	UNITED IND	
5	WASTE SOLID	NON			BRIDGEPORT	0927ON4	INCIN	18-Sep-03	0	2,000	0	0	0	0	1032	CTF1132553	UNITED IND	
8	PTSI RESIDUE	NON			BRIDGEPORT	0926DN4	INCIN	18-Sep-03	0	4,800	0	0	0	0	1032	CTF1132553	UNITED IND	
1	MET/TOL	HAZ	D001, F003, F005	FC 102	NORLITE	ST028503	INCIN	22-Sep-03	0	19,620	19,620	19,620	0	0	1033	NYG2884563	BFC	
			F002, F003, F005, D021, D022															
1	WASTE SOLID	HAZ			ENSCO	1378178	INCIN	24-Sep-03	0	300	300	300	0	0	1034	AR1363770	HAZMAT	
1	BATTERIES	NON			ENSCO	1449246	RECYC	24-Sep-03	0	30	0	0	0	30	1034	AR1363770	HAZMAT	
1	WASTE LIQUID	HAZ	F003	Scrubber	CECOS	12342	TREAT	7-Oct-03	2,511	21,017	21,017	0	21,017		1035	NYG3961944	BFC	
3	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTRON	CHEMNY-WV	TREAT	15-Oct-03	0	10,000	10,000	0	0	10,000	1036	PAG366338	AUTUMN	
2	SPENT CARBON	HAZ	D001, F005		ENVIROTRON	BUSPNY-AF	TREAT	15-Oct-03	0	400	400	0	0	400	1036	PAG366338	AUTUMN	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	15-Oct-03	0	41,920	41,920	41,920	0	0	1037	NYG2884572	BFC	
1	SOD HYD/SOD CL	HAZ	D002, F002, F005	Scrubber	CECOS	12342-AAE	TREAT	16-Oct-03	0	44,683	44,683	0	44,683	0	1038	NYG3959478	BFC	
1	SOD HYD/SOD CL	HAZ	D002, F002, F005	Scrubber	CECOS	12342AAE	TREAT	17-Oct-03	0	41,200	41,200	0	41,200	0	1039	NYG3959496	BFC	
1	SOD HYD/SOD CL	HAZ	D002, F002, F005	Scrubber	CECOS	12342AAE	TREAT	17-Oct-03	0	39,732	39,732	0	39,732	0	1040	NYG3959487	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	21-Oct-03	0	37,020	37,020	37,020	0	0	1041	NYG2884599	BFC	
1	SOD HYD/SOD CL	HAZ	D002, F002, F005		CECOS	12342AAE	TREAT	21-Oct-03	0	45,036	45,036	0	45,036	0	1042	NYG3959361	BFC	
1	WASTE LAMPS	NON			ENSCO			23-Oct-03	0	400	0	0	0	0	1043	996867	FREEHOLD	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	23-Oct-03	0	39,280	39,280	39,280	0	0	1044	NYG2884608	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	24-Oct-03	0	41,480	41,480	41,480	0	0	1045	NYG2884617	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	27-Oct-03	0	46,580	46,580	46,580	0	0	1046	NYG2884626	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	29-Oct-03	0	40,860	40,860	40,860	0	0	1047	NYG2884635	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	3-Nov-03	0	43,020	43,020	43,020	0	0	1048	NYG2884653	BFC	
1	PNBC	NON		PNBC	NORLITE	ST021203	INCIN	29-Oct-03	0	40,380	0	0	0	0	1049	NYD080469934	UNITED IND	
1	PNBC	NON		PNBC	NORLITE	ST021203	INCIN	31-Oct-03	0	18,260	0	0	0	0	1050	NYD080469934	UNITED IND	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	5-Nov-03	0	43,340	43,340	43,340	0	0	1051	NYG2884662	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	2-Nov-03	0	43,005	43,005	43,005	0	0	1052	NYF2884671	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	3-Nov-03	0	41,760	41,760	41,760	0	0	1053	NYG2884689	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	4-Nov-03	0	46,180	46,180	46,180	0	0	1054	NYG2884698	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	10-Nov-03	0	41,460	41,460	41,460	0	0	1055	NYG2884707	BFC	
			F002, F003, F005, D021, D022															
1	WASTE SOLID	HAZ			ENSCO	1378178	INCIN	11-Nov-03	0	300	300	300	0	0	1056	AR1363492	HAZMAT	
2	NBA	HAZ	D001		ENSCO	1453251	INCIN	11-Nov-03	0	500	500	500	0	0	1056	AR1363492	HAZMAT	
1	P-NITROPHENOLS	HAZ	U170		ENSCO	1453242	INCIN	11-Nov-03	0	170	170	170	0	0	1056	AR1363492	HAZMAT	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	12-Nov-03	0	43,060	43,060	43,060	0	0	1057	NYG3961512	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	14-Nov-03	0	44,600	44,600	44,600	0	0	1058	NYG3961521	BFC	
1	PETROLEUM WASTE	NON			SAFETY CLN	10827JF		12-Nov-03	24	175	0				1059	103788726	SAFETY CLN	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	17-Nov-03	0	46,680	46,680	46,680	0	0	1060	NYG3961539	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	21-Nov-03	0	44,900	44,900	44,900	0	0	1061	NYG3961548	BFC	
1	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTRON	ANCHENMY	TREAT	25-Nov-03	0	10,000	10,000	0	0	10,000	1062	PAG475077	AUTUMN	
3	SPENT CARBON	HAZ	D001, F005		ENVIROTRON	VANBUSPNY	TREAT	25-Nov-03	0	555	555	0	0	555	1062	PAG475077	AUTUMN	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	25-Nov-03	0	44,840	44,840	44,840	0	0	1063	NYG3961566	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	1-Dec-03	0	45,640	45,640	45,640	0	0	1064	NYG3961557	BFC	
			F002, F003, F005, D021, D022															
38	WASTE SOLID	HAZ			ENSCO	1378178	INCIN	2-Dec-03	0	15,200	15,200	15,200	0	0	1065	AR1363517	FREEHOLD	
5	TOL/TMTC	HAZ	D001, D003, F005		ENSCO	1392551	INCIN	2-Dec-03	0	2,000	2,000	2,000	0	0	1065	AR1363517	FREEHOLD	
1	P-NITROPHENOLS	HAZ	U170		ENSCO	1453242	INCIN	2-Dec-03	0	100	100	100	0	0	1065	AR1363517	FREEHOLD	
1	WASTE LIQUID	HAZ	F002		ENSCO	1434023	INCIN	2-Dec-03	0	100	100	100	0	0	1065	AR1363517	FREEHOLD	
1	TOL/DEA	HAZ	D001, F005		ENSCO	1328204	INCIN	2-Dec-03	0	250	250	250	0	0	1065	AR1363517	FREEHOLD	
1	MCB/HCL	HAZ	D001, D002, F003		ENSCO	1434112	INCIN	2-Dec-03	0	250	250	250	0	0	1065	AR1363517	FREEHOLD	
2	WASTE LIQUID	HAZ	D003, D021	HEGCI	ENSCO	1318824	INCIN	2-Dec-03	0	500	500	500	0	0	1065	AR1363517	FREEHOLD	
			D001, F002, F003, F005, D021, D022															
24	ACE/TOL	HAZ		NDI	NORLITE	ST004502	INCIN	2-Dec-03	0	7,200	7,200	7,200	0	0	1066	NYG3958524	UNITED IND	
7	ODCB/HEPTANE	HAZ	D001	NDI	NORLITE	ST021803	INCIN	2-Dec-03	0	2,100	2,100	2,100	0	0	1066	NYG3958524	UNITED IND	
3	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022	NDI	NORLITE	ST004502	INCIN	2-Dec-03	0	900	900	900	0	0	1066	NYG3958524	UNITED IND	
			D002, F002, F003, F005, D021, D001															
7	HCL/TOL	HAZ			BRIDGEPORT	2258ESTD2	INCIN	2-Dec-03	0	2,100	2,100	2,100	0	0	1067	CTF1000391	UNITED IND	
10	NON REG	NON			BRIDGEPORT	0927DN4	INCIN	2-Dec-03	0	3,000	0	0	0	0	1067	CTF1000391	UNITED IND	
12	NON REG	NON			BRIDGEPORT	0928DN4	INCIN	2-Dec-03	0	6,000	0	0	0	0	1067	CTF1000391	UNITED IND	

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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	VV WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	NON REG	NON			NORLITE	ST034103	INCIN	2-Dec-03	0	400	0	0	0	0	1069	CTV31324	UNITED IND	
1	SODIUM HYDROXIDE	HAZ	D002, D005		CWM CHEM	BY1707	TREAT	3-Dec-03	0	400	400	0	400	0	1069	NYG3961296	FREEHOLD	
3	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	CHEMNYYW	RECYC	16-Dec-03	0	15,000	15,000	0	0	15000	1070	PAG475079	AUTUMN	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	18-Dec-03	0	44,340	44,340	44,340	0	0	1071	NYG3961584	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	22-Dec-03	0	43,119	43,119	43,119	0	0	1072	NYG3961575	BFC	
1	BZOH	NON		BFC	NORLITE	ST039703	INCIN	23-Dec-03	0	47,020	0	0	0	0	1073	NYR000457242	BFC	
4	NON REG	NON			BRIDGEPORT	0927DN4	INCIN	23-Dec-03	0	2,400	0	0	0	0	1074	CTF0563840	UNITED IND	
1	NON REG	NON			BRIDGEPORT	0927DN4	INCIN	23-Dec-03	0	100	0	0	0	0	1074	CTF0563840	UNITED IND	
1	NON REG	NON			NORLITE	ST004902	INCIN	23-Dec-03	0	300	0	0	0	0	1075	CTD02181688	UNITED IND	
15	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	23-Dec-03	0	4,500	4,500	4,500	0	0	1076	NYG3958227	UNITED IND	
41	CHLOROBENZENE	HAZ	D001, F002, D021	NDI	NORLITE	ST040003	INCIN	23-Dec-03	0	12,300	12,300	12,300	0	0	1076	NYG3958227	UNITED IND	
2	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	23-Dec-03	0	600	600	600	0	0	1076	NYG3958227	UNITED IND	
4	THF/MTBE	HAZ	D001		NORLITE	ST012403	INCIN	23-Dec-03	0	1,200	1,200	1,200	0	0	1076	NYG3958227	UNITED IND	
15	MCB/HEPTANE	HAZ	D001, F002, D021, F005		NORLITE	ST021803	INCIN	23-Dec-03	0	4,500	4,500	4,500	0	0	1077	NYG3958245	UNITED IND	
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	23-Dec-03	0	300	300	300	0	0	1077	NYG3958245	UNITED IND	
12	HAZ WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	23-Dec-03	0	3,600	3,600	3,600	0	0	1078	AR1294484	FREEHOLD	
9	HAZ WASTE LIQUID	HAZ	D003, D021		ENSCO	1408339	INCIN	23-Dec-03	0	2,700	2,700	2,700	0	0	1078	AR1294484	FREEHOLD	
3	TRIETHYLAMINE	HAZ	D001, D002		ENSCO	1453343	INCIN	23-Dec-03	0	900	900	900	0	0	1078	AR1294484	FREEHOLD	
4	NBI	HAZ	D001, D003		ENSCO	1453334	INCIN	23-Dec-03	0	1,200	1,200	1,200	0	0	1078	AR1294484	FREEHOLD	
6	NON REG	HAZ			ENSCO	1453335	INCIN	23-Dec-03	0	600	600	600	0	0	1078	AR1294484	FREEHOLD	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	29-Dec-03	0	46,220	46,220	46,220	0	0	1079	NYG3961593	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	29-Dec-03	0	45,360	45,360	45,360	0	0	1080	NYG3961602	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	31-Dec-03	0	46,653	46,653	46,653	0	0	1081	NYG3958695	BFC	
									102,270	2,836,159	4,708,144	2,103,471	436,588	120,286				
									102,270	2,836,159	4,708,144	2,103,471	436,588	120,286				
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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	WASTE THF/MTBE	HAZ	D001	Z -Valine	EQ RESOURCE	L55102	INCIN	3-Jan-03	0	44,118	44,118	44,118	0	0	928	MI7612373	BFC	
1	WASTE NN DMF	HAZ	D001	ACL	NORLITE	ST010202	INCIN	7-Jan-03	1,921	15,460	15,460	15,460	0	0	929	NYG2774691	BFC	
1	WASTE THF/MTBE	HAZ	D001	Z -Valine	EQ RESOURCE	L55102	INCIN	10-Jan-03	5,978	44,223	44,223	44,223	0	0	930	MI8666864	BFC	
1	THF/MTBE	HAZ	D001	Z -Valine	EI DUPONT	OW11243	TREAT	10-Jan-03	0	39,800	39,800	0	39,800	0	931	NJA4087188	BFC	
1	THF/MTBE	HAZ	D001	Z -Valine	EQ RESOURCE	L55102	INCIN	14-Jan-03	0	38,260	38,260	38,260	0	0	932	MI8688752	BFC	
1	THF/MTBE	HAZ	D001	Z -Valine	EI DUPONT	OW11243	TREAT	15-Jan-03	4,900	43,200	43,200	0	43,200	0	933	NJA4134265	BFC	
1	THF/MTBE	HAZ	D001	Z -Valine	EI DUPONT	OW11243	TREAT	15-Jan-03	0	33,220	33,220	0	33,220	0	934	NJA4134266	BFC	
1	TOL/METH	HAZ	D001, F005, F003	FC 102	EI DUPONT	OW11243	TREAT	28-Jan-03	0	40,280	40,280	0	40,280	0	935	NJA4087194	BFC	
1	XYLENE/METH	HAZ	D001, F003, F005	TMBCI	EQ RESOURCE	J51201	INCIN	29-Jan-03	0	42,660	42,660	42,660	0	0	936	MI8666863	BFC	
4	TOL/AQUEOUS AMM	HAZ	D001, F005		ENSCO	1434065	INCIN	29-Jan-03	0	1,200	1,200	1,200	0	0	937	AR1363888	FREEHOLD	
3	PHENOL SOL	HAZ	U188		ENSCO	1434066	INCIN	29-Jan-03	0	900	900	900	0	0	937	AR1363888	FREEHOLD	
1	THIONYL CL	HAZ	D002, D003		ENSCO	1434068	INCIN	29-Jan-03	0	300	300	300	0	0	937	AR1363888	FREEHOLD	
1	BCF	HAZ	D002, D003		ENSCO	1434004	INCIN	29-Jan-03	0	300	300	300	0	0	937	AR1363888	FREEHOLD	
6	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	29-Jan-03	0	2,100	2,100	2,100	0	0	937	AR1363888	FREEHOLD	
12	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	29-Jan-03	0	3,900	3,900	3,900	0	0	937	AR1363888	FREEHOLD	
40	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		ENSCO	1419677	INCIN	29-Jan-03	0	12,000	12,000	12,000	0	0	937	AR1363888	FREEHOLD	
3	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		ENSCO	1419677	INCIN	29-Jan-03	0	900	900	900	0	0	937	AR1363888	FREEHOLD	
1	BCF	HAZ	D002, D003		ENSCO	1434004	INCIN	29-Jan-03	0	300	300	300	0	0	937	AR1363888	FREEHOLD	
1	TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	30-Jan-03	0	42,780	42,780	0	42,780	0	938	NJA4087189	BFC	
1	TOL/METH	HAZ	D001, F005, F003	FC102	EQ RESOURCE	J51201	INCIN	3-Feb-03	0	38,880	38,880	38,880	0	0	939	MI7513982	BFC	
1	XYLENE/TMBCL	HAZ	D001, F003, F005, D002	TMBCL	EQ RESOURCE	A52103OTS	INCIN	3-Feb-03	0	21,000	21,000	21,000	0	0	940	MI8688603	BFC	
1	XYLENE	HAZ	F003	TMBCL/GCPC F	CECOS	12472AAC	TREAT	4-Feb-03	4,974	41,480	41,480	0	41,480	0	944	NYG2775411	BFC	
1	XYLENE	HAZ	F003	TMBCL/GCPC F	CECOS	12472AAC	TREAT	4-Feb-03	4,885	40,740	40,740	0	40,740	0	945	NYG2775429	BFC	
1	TOL/METH	HAZ	D001, F005, F003	FC102	EQ RESOURCE	J51201	INCIN	5-Feb-03	0	43,680	43,680	43,680	0	0	941	MI7513981	BFC	
3	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	5-Feb-03	0	12,020	12,020	0	0	12,020	947	PAG366326	AUTUMN	
1	XYLENE	HAZ	F003	TMBCL/GCPC F	CECOS	12472AAC	TREAT	5-Feb-03	4,900	40,866	40,866	0	40,866	0	946	NYG2775393	FRANKS	
1	TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	6-Feb-03	0	40,080	40,080	0	40,080	0	942	NJA4087191	BFC	
1	TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	7-Feb-03	5,585	46,640	46,640	0	46,640	0	943	NYJ4087190	BFC	
1	TOL/METH	HAZ	D001, F005, F003	FC102	EQ RESOURCE	J51201	INCIN	10-Feb-03	0	44,140	44,140	44,140	0	0	949	MI7513980	BFC	
1	XYLENE/TMBCL	HAZ	D001, F003, F005, D002	TMBCL	EQ RESOURCE	13556	INCIN	10-Feb-03	0	26,300	26,300	26,300	0	0	950	MI8688629	BFC	
2	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	12-Feb-03	0	8,080	8,080	0	0	8,080	952	PAG366328	AUTUMN	

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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	TOL/METH	HAZ	D001, F005, F003	FC102	EI DUPONT	OW11243	TREAT	12-Feb-03	5,284	45,580	45,580	0	45,580	0	951	NJA4087193	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	19-Feb-03	5,948	43,740	43,740	43,740	0	0	953	MI7513973	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	20-Feb-03	5,490	47,600	47,600	0	47,600	0	953	NJA4087192	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	21-Feb-03	5,968	44,040	44,040	44,040	0	0	955	MI7513972	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	21-Feb-03	5,461	46,140	46,140	0	46,140	0	954	NJA4087176	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	28-Feb-03	5,151	42,340	42,340	0	42,340	0	956	NJA4134472	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	3-Mar-03	5,713	42,180	42,180	42,180	0	0	957	MI7513974	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	5-Mar-03	6,080	44,000	44,000	44,000	0	0	958	MI7513975	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	5-Mar-03	4,956	43,640	43,640	0	43,640	0	959	NJA4134473	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	7-Mar-03	5,241	45,560	45,560	0	45,560	0	960	NJA4134474	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EQ RESOURCE	J51201	INCIN	10-Mar-03	6,285	45,440	45,440	45,440	0	0	961	MI7513976	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	EI DUPONT	OW11243	TREAT	11-Mar-03	5,208	44,520	44,520	0	44,520	0	962	NJA4134475	BFC	
1	TOL/METH	HAZ	D001, F003, F005	FC102	NORLITE	0209-01	INCIN	13-Mar-03	5,363	41,640	41,640	41,640	0	0	963	NYG2773872	BFC	
21	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	14-Mar-03	0	5,250	5,250	5,250	0	0	966	AR1363880	FREEHOLD	
16	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	14-Mar-03	0	8,000	8,000	8,000	0	0	966	AR1363880	FREEHOLD	
4	WASTE FLAM LIQUID	HAZ	D001, D002, F003		ENSCO	1419663	INCIN	14-Mar-03	0	2,000	2,000	2,000	0	0	966	AR1363880	FREEHOLD	
6	WASTE LIQUID	HAZ	F002		ENSCO	1434023	INCIN	14-Mar-03	0	3,000	3,000	3,000	0	0	966	AR1363880	FREEHOLD	
7	2-PROPANOL	HAZ	D001, F002, F003		ENSCO	1434024	INCIN	14-Mar-03	0	3,500	3,500	3,500	0	0	966	AR1363880	FREEHOLD	
1	TOL/GCPCF	HAZ	D001, F005		ENSCO	1434090	INCIN	14-Mar-03	0	500	500	500	0	0	966	AR1363880	FREEHOLD	
1	ACE/TOL	HAZ	D001, F002, F003		ENSCO	1419677	INCIN	14-Mar-03	0	500	500	500	0	0	966	AR1363880	FREEHOLD	
13	ACE/TOL	HAZ	D001, F002, F003		ENSCO	1419677	INCIN	14-Mar-03	0	6,500	6,500	6,500	0	0	966	AR1363880	FREEHOLD	
2	SPENT CARBON	HAZ	F002, F005, F003		ENVIROTROL		RECYC	14-Mar-03	0	11,000	11,000	0	0	11,000	966	PAG366329	AUTUMN	
2	MCF	HAZ	D001, D002, D003		ENSCO	1434070	TREAT	14-Mar-03	0	600	600	0	600	0	964	AR1363844	MS CARRIER	
19	NMETH2PYRO/ACE	HAZ	F002, F003, F005, D021		MARISOL INC	17144-20196-1	TREAT	14-Mar-03	0	7,250	7,250	0	7,250	0	965	NJA4134482	FREEHOLD	
1	RQ LIQUID	HAZ	F003	Z -Valine NCA	CECOS	12342	TREAT	21-Mar-03	4,500	37,530	37,530		37,530	0	967	NYB5565168	BFC	
1	RQ LIQUID	HAZ	F003	Z -Valine NCA	CECOS	12342	TREAT	21-Mar-03	4,329	36,104	36,104	0	36,104	0	968	NYB5565159	BFC	
1	RQ LIQUID	HAZ	F003	Z -Valine NCA	CECOS	12342-AAC	TREAT	23-Mar-03	0	42,900	42,900	0	42,900	0	970	NYG2772126	BFC	
1	RQ LIQUID	HAZ	F003	Z -Valine NCA	CECOS	12342-AAC	TREAT	24-Mar-03	5,308	39,820	39,820	0	39,820	0	969	NYG2772117	BFC	
1	THF/HEPTANE	HAZ	D001	Z -Valine NCA	EQ RESOURCE	L55102	INCIN	25-Mar-03	6,228	44,040	44,040	44,040	0	0	971	MI8688943	BFC	
3	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL		RECYC	26-Mar-03	15,000	15,000	15,000	0	0	15,000	972	PAG366330	AUTUMN	

2003 HAZARDOUS WASTE REPORT WORKSHEET -1st quarter waste tax.

Rev :

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	THF/HEPTANE	HAZ	D001	Z -Valine NCA	EQ RESOURCE	L55102	INCIN	27-Mar-03	6,104	41,140	41,140	41,140	0	0	973	MI8688942	BFC	
1	RQ LIQUID	HAZ	F003		CECOS	12342-AAC	TREAT	28-Mar-03	5,151	42,959	42,959	0	42,959	0	974	NYG2772135	BFC	
1	RQ LIQUID	HAZ	F003		CECOS	12342-AAC	TREAT	28-Mar-03	5,145	42,909	42,909	0	42,909	0	975	NYG2772144	BFC	
											1,776,729							
											888.36	378.05	487.27	23.05			888.36	

	TONS	DOLLARS
total tons generated	#REF!	
tons not sujet to assessment	23.1	
ton subject to assessment	#REF!	
tons incinerated	378.0	\$3,402.41
tons wwt	487.3	\$7,796.30
total assessment due		\$11,198.71

TOTALS										0.00	0.00	0.00	0.00	0.00				

1	SANDBLAST	NON			ENSCO	1434043	INCIN	29-Jan-03	0	300	0	300	0	0	937	AR1363888	FREEHOLD	
8	AVE/MACOL/H2O	NON			ENSCO	1309281	INCIN	29-Jan-03	0	1,600	0	1,600	0	0	937	AR1363888	FREEHOLD	
1	TBOCPHE	NON			ENSCO	1434073	INCIN	29-Jan-03	0	300	0	300	0	0	937	AR1363888	FREEHOLD	
5	PTSI RESIDUE	NON			ENSCO	225079	INCIN	29-Jan-03	0	1,500	0	1,500	0	0	937	AR1363888	FREEHOLD	
1	PNBC	NON			ENSCO	1434067	INCIN	29-Jan-03	0	300	0	300	0	0	937	AR1363888	FREEHOLD	
1	TMBA RESIDUE	NON			ENSCO	1434064	INCIN	29-Jan-03	0	300	0	300	0	0	937	AR1363888	FREEHOLD	
2	HEGCL RAG LAYER	NON			ENSCO	1434069	INCIN	29-Jan-03	0	600	0	600	0	0	937	AR1363888	FREEHOLD	
1	PETROLEUM WASTE	NON			SAFETY CLN	NY10827JF	INCIN	4-Mar-03	0	156	0	156	0	0	961	TXR000050930	SAFETY CLN	
6	PTSI RESIDUE	NON			ENSCO	225079	INCIN	14-Mar-03	0	3,000	0	3,000	0	0	966	AR1363880	FREEHOLD	
4	USED DMF	NON			ENSCO	658592	INCIN	14-Mar-03	0	2,000	0	2,000	0	0	966	AR1363880	FREEHOLD	
2	USED OIL / WATER	NON		Maintenance	SAFETY CLN	10827JF	TREAT	7-Feb-03	0	700	0	0	0	700	948	TXR000050930	SAFETY CLN	

2003 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax.

Rev

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER
1	THF/MTBE	HAZ	D001	Z-Valine NCA	EQ RESOURCES	14632	INCIN	4-Apr-03	6,060	43,540	43,540	43,540	0	0	975	MI8688944	BFC
1	THF/MTBE	HAZ	D001	Z-Valine NCA	EQ RESOURCE	L55102	INCIN	9-Apr-03	5,668	42,497	42,497	42,497	0	0	976	MI8688945	BFC
1	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	10-Apr-03	0	6,000	6,000	0	0	6,000	977	PAG366331	AUTUMN
1	THF/MTBE	HAZ	D001, F003, F005	Z-Valine NCA	EI DUPONT	OW11243		10-Apr-03	5,000	43,420	43,420		43,420		978	NJA4134346	BFC
16	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	21-Apr-03		6,500	6,500	6,500	0	0	979	AR1363670	SJ TRANS
13	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	21-Apr-03		5,200	5,200	5,200	0	0	979	AR1363670	SJ TRANS
34	MCB, HCL	HAZ	F002, F003, F005, D021, D022	PTSI	ENSCO	1434112	INCIN	21-Apr-03		13,600	13,600	13,600	0	0	979	AR1363670	SJ TRANS
2	BCF	HAZ	D002, D003		ENSCO	1434004	INCIN	21-Apr-03		400	400	400	0	0	979	AR1363670	SJ TRANS
1	IPCF	HAZ	D001, D002, D003		ENSCO	1434116	INCIN	21-Apr-03		74	74	74	0	0	979	AR1363670	SJ TRANS
5	PTSI RESIDUE	NON			BRIDGEPORT	0928DN4		21-Apr-03		3,000	0				980	CTF0563836	UNITED IND
3	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004501	INCIN	21-Apr-03		900	900	900	0	0	981	NYG2772648	UNITED IND
33	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	21-Apr-03		9,900	9,900	9,900	0	0	981	NYG2772648	UNITED IND
1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	21-Apr-03		500	500	500	0	0	981	NYG2772648	UNITED IND
1	PROPANOL	HAZ	D001, F002		NORLITE	ST010503	INCIN	21-Apr-03		300	300	300	0	0	982	NYG2772657	UNITED IND
2	WASTE LIQUID	HAZ	F002		NORLITE	ST010603	INCIN	21-Apr-03		600	600	600	0	0	982	NYG2772657	UNITED IND
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	21-Apr-03		42,760	42,760	42,760	0	0	983	NYG2772675	BFC
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	23-Apr-03	5,544	42,740	42,740	42,740	0	0	984	NYG2772684	BFC
1	WASTE LIQUID	HAZ	F003	Z-Valine NCA	CECOS	12342AAD	TREAT	24-Apr-03	5,570	48,940	48,940	0	48,940	0	985	NYG2772774	BFC
1	WASTE LIQUID	HAZ	F003	Z-Valine NCA	CECOS	12342AAD	TREAT	24-Apr-03	5,310	43,320	43,320	0	43,320	0	986	NYG2772756	BFC
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	25-Apr-03	5,430	41,140	41,140	41,140	0	0	987	NYG2772693	BFC
1	TOL/TMTC	HAZ	D001, D003, F005	TMTC	ENSCO	1392551	INCIN	5-May-03		500	500	500	0	0	988	AR1363361	MS CARRIE
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST010903	INCIN	30-Apr-03	5,570	46,860	46,860	46,860	0	0	988	NYG2772513	BFC
1	DMF	HAZ	D001	ACL	NORLITE	ST010202	INCIN	5-May-03	0	17,240	17,240	17,240	0	0	990	NYG2887074	BFC
3	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	9-May-03	0	15,000	15,000	0	0	15,000	991	PAG366333	AUTUMN
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	14-May-03	6,290	48,433	48,433	48,433	0	0	992	NYG2772702	BFC
1	NAOH/BARIUM	HAZ	D002, D005	Plant	CWM CHEM	BY1701	TREAT	15-May-03	0	430	430	0	430		993	NYG2887497	FREEHOL

2003 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax.

Rev

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER
88	WASTE LIQUID	HAZ	F002, F005, D021	PT-16 sludge	NORLITE	ST015103	INCIN	19-May-03	0	47,903	47,903	47,903	0	0	994	NYG2887479	UNITED IN
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	19-May-03	5,923	39,210	39,210	39,210	0	0	995	NYG2772711	BFC
1	THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST010903	INCIN	21-May-03	0	45,092	45,092	45,092	0	0	996	NYG2772531	BFC
1	PETROLEUM WASTE	NON			SAFETY CLN	10827JF	INCIN	30-May-03	25						997	TXR000050930	SAFETY CL
3	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	11-Jun-03	0	11,000	11,000	0	0	11,000	998	PAG366334	AUTUMN
1	TOL/DMF	HAZ	D001, F005	ACL	NORLITE	ST014802	INCIN	16-Jun-03	5,238	44,700	44,700	44,700	0	0	999	NYG2886381	BFC
2	SPENT CARBON	HAZ	F002, F003, F005	Plant	ENVIROTROL		RECYC	17-Jun-03	0	7,500	7,500	0	0	7,500	1000	PAG366335	AUTUMN
1	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	20-Jun-03	0	44,280	44,280	44,280	0	0	1001	NYG2886444	BFC
5	SPENT CARBON	HAZ	F002	HEGCI	CALGON CAR	2542R	RECYC	25-Jun-03	0	5,000	5,000	0	0	5,000	1002	NYG2772153	HAZMAT
1	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	25-Jun-03	5,850	43,760	43,760	43,760	0	0	1003	NYG2887902	BFC
1	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL		RECYC	27-Jun-03	0	5,000	5,000	0	0	5,000	1004	PAG366336	AUTUMN
1	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	30-Jun-03		42,190	42,190	42,190	0	0	1005	NYG2887903	BFC
										859,429	856,429	670,819	136,110	49,500			

429.7 428.2 335.4 68.1 24.8 428.2

2003 HAZARDOUS WASTE REPORT WORKSHEET - 3rd quarter tax

Rev

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
4	SPENT CARBON	HAZ	F002		CALGON CAR	CAN2542R	RECYC	1-Jul-03	0	4,000	4,000	0	0	4,000	1006	NYG2885517	HAZMAT	
1	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	3-Jul-03	####	27,140	27,140	27,140	0	0	1007	NYG2887929	BFC	
1	HCL	HAZ	D002, F002, F003, F005, D021		CECOS	12472AAD	TREAT	8-Jul-03	0	42,440	42,440	0	42,440	0	1008	NYG2885679	FREEHOLD	
1	HCL	HAZ	D002, F002, F003, F005, D021		CECOS	12472AAD	TREAT	8-Jul-03	0	41,780	41,780	0	41,780	0	1009	NYG2885787	FREEHOLD	
1	HCL	HAZ	D002, F002, F003, F005, D021		CECOS	12472AAD	TREAT	8-Jul-03	####	13,640	13,640	0	13,640	0	1010	NYG2885661	FREEHOLD	
3	CARBON/TOL	HAZ	H' F002, F003, F005		ENVIROTROL	CHEMNY-WW		10-Jul-03	0	10,000	10,000	0	0	10,000	1011	PAG366337	AUTUMN	
1	CARBON/MCB	HAZ	D001, D021, F002		ENVIROTROL	VDMNY-AF		10-Jul-03	0	365	365	0	0	365	1011	PAG366337	AUTUMN	
6	CARBON/MTBE	HAZ	D001, F005		ENVIROTROL	BUSPNY-AF		10-Jul-03	0	1,900	1,900	0	0	1,900	1011	PAG366337	AUTUMN	
35	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	18-Jul-03	0	9,000	9,000	9,000	0	0	1012	AR1363634	HAZMAT	
2	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	18-Jul-03	0	600	600	600	0	0	1012	AR1363634	HAZMAT	
1	TMTC	HAZ	D003, F005		ENSCO	1393020	INCIN	18-Jul-03	0	300	300	300	0	0	1012	AR1363634	HAZMAT	
25	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	18-Jul-03	0	12,500	12,500	12,500	0	0	1013	NYG28885742	UNITED IND	
4	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	18-Jul-03	0	2,000	2,000	2,000	0	0	1013	NYG28885742	UNITED IND	
13	HCL/TOL	HAZ	D002, F002, F003, F005, D021, D001		NORLITE	ST021203	INCIN	18-Jul-03	0	1,000	1,000	1,000	0	0	1013	NYG28885742	UNITED IND	
3	NON REG	NON			BRIDGEPORT	0927DN4		18-Jul-03	0	1,200	0	0	0	0	1015	CTF1140738	UNITED IND	
18	PTSI RESIDUE	NON			BRIDGEPORT	0928DN4		18-Jul-03	0	7,200	0	0	0	0	1015	CTF1140738	UNITED IND	
1	NON REG	NON			BRIDGEPORT	0929DN4		18-Jul-03	0	400	0	0	0	0	1015	CTF1140738	UNITED IND	
1	DCB/HEPTANE	HAZ	D001, F002, D021, F003	NDI	NORLITE	ST021803	INCIN	29-Jul-03	####	35,200	35,200	35,200	0	0	1016	NYG2885931	UNITED IND	
2	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	CHEMNY-WW	TREAT	30-Jul-03	0	9,000	9,000	0	0	9,000	1017	PAG475009	AUTUMN	
1	SPENT CARBON	HAZ	D001, F005		ENVIROTROL	BUSPNY-AF	TREAT	30-Jul-03	0	250	250	0	0	250	1017	PAG475009	AUTUMN	
1	SPENT CARBON	HAZ	D001, D021, F002		ENVIROTROL	VDMNY-AF	TREAT	30-Jul-03	0	286	286	0	0	286	1017	PAG475009	AUTUMN	
1	DCB/HEPTANE	HAZ	D001, F002, D021, F003	NDI	NORLITE	ST021803	INCIN	30-Jul-03	####	31,940	31,940	31,940	0	0	1018	NYG2885922	UNITED IND	
1	SODIUM HYDROXIDE	HAZ	D002	IPCF	EI DUPONT	OW11805T	TREAT	1-Aug-03	####	0	10,550	0	10,550	0	36113	NJA4136113	HM HTTC RES TEAM	
1	PETROLEUM WASTE	NON			SAFETY CLN	NY10827JF		18-Aug-03	0	169	0	0	0	0	1019	NYD175773779	SAFETY CLN	
1	DMF/HEPTANE	HAZ	D001	ACL	NORLITE	ST025003	INCIN	29-Aug-03	0	27,000	27,000	27,000	0	0	1020	NYG2885274	BFC	
1	MCB/DMF	HAZ	D001, F002, F003, D021, F005	NDI	NORLITE	ST021803	INCIN	3-Sep-03	####	38,540	38,540	38,540	0	0	1021	NYG2885211	UNITED IND	
2	SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	CHEMNY-WW	TREAT	4-Sep-03	0	9,000	9,000	0	0	9,000	1021	PAG475008	AUTUMN	
1	MCB/DMF	HAZ	D01, F002, F003, D021	NDI	NORLITE	ST021803	INCIN	4-Sep-03	####	30,140	30,140	30,140	0	0	1022	NYG2885355	UNITED IND	
62	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	4-Sep-03	0	18,600	18,600	18,600	0	0	1023	AR1363756	FREEHOLD	
17	TBI	HAZ	D001, D003		ENSCO	1453219	INCIN	4-Sep-03	0	1,900	1,900	1,900	0	0	1024	AR1363757	FREEHOLD	
1	PNBC	NON			NORLITE	ST021203		5-Sep-03	####	37,960	0	0	0	0	1025	NYD080469935	BFC	
36	IPCF	HAZ	D002, D003, D001		ENSCO	1434416	INCIN	4-Sep-03	0	16,200	16,200	16,200	0	0	1026	AR1363758	SJ TRANS	
1	WASTE SOLID	HAZ	D001		ENSCO	1453220	INCIN	4-Sep-03	0	275	275	275	0	0	1026	AR1363758	SJ TRANS	
1	DMF/TOL	HAZ	D001, F003, F005	NDI	NORLITE	ST023302	INCIN	16-Sep-03	0	39,820	39,820	39,820	0	0	1027	NYG2884941	BFC	

2003 HAZARDOUS WASTE REPORT WORKSHEET - 3rd quarter tax

Rev

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	TOL/METH	HAZ	D001, F005, F003	NDI	NORLITE	ST028503	INCIN	18-Sep-03	0	44,940	44,940	44,940	0	0	1028	NYG2884518	BFC	
20	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022	NDI	NORLITE	ST004502	INCIN	18-Sep-03	0	6,000	6,000	6,000	0	0	1029	NYG2887749	UNITED IND	
1	WASTE LIQUID	HAZ	F002		NORLITE	ST010603	INCIN	18-Sep-03	0	300	300	300	0	0	1029	NYG2887749	UNITED IND	
1	DCB/HEPTANE	HAZ	D001, F002, D021, F005	NDI	NORLITE	ST021803	INCIN	18-Sep-03	0	350	350	350	0	0	1029	NYG2887749	UNITED IND	
5	ACE/TOL	HAZ	D001, F002, F003, D021, D022	NDI	NORLITE	ST004502	INCIN	18-Sep-03	0	1,500	1,500	1,500	0	0	1030	NYG2885004	UNITED IND	
4	DMF	HAZ	D001	ACL	NORLITE	ST010202	INCIN	18-Sep-03	0	1,200	1,200	1,200	0	0	1030	NYG2885004	UNITED IND	
2	DCB/HEPTANE	HAZ	D001, F002, D021, F005	NDI	NORLITE	ST021803	INCIN	18-Sep-03	0	600	600	600	0	0	1030	NYG2885004	UNITED IND	
1	PROPANOL	HAZ	D001, F002		NORLITE	ST010503	INCIN	18-Sep-03	0	300	300	300	0	0	1030	NYG2885004	UNITED IND	
1	TRIETHYLPHOSPHATE	NON			NORLITE	ST027003	INCIN	18-Sep-03	0	300	0	0	0	0	1031	CTD021816889	UNITED IND	
1	MAGNESIUM SULFATE	NON			BRIDGEPORT	2643EN4	INCIN	18-Sep-03	0	300	0	0	0	0	1032	CTF1132553	UNITED IND	
1	L-PHENYLALANENE	NON			BRIDGEPORT	2642EN4	INCIN	18-Sep-03	0	50	0	0	0	0	1032	CTF1132553	UNITED IND	
5	WASTE SOLID	NON			BRIDGEPORT	0927ON4	INCIN	18-Sep-03	0	2,000	0	0	0	0	1032	CTF1132553	UNITED IND	
8	PTSI RESIDUE	NON			BRIDGEPORT	0926DN4	INCIN	18-Sep-03	0	4,800	0	0	0	0	1032	CTF1132553	UNITED IND	
1	MET/TOL	HAZ	D001, F003, F005	FC 102	NORLITE	ST028503	INCIN	22-Sep-03	0	19,620	19,620	19,620	0	0	1033	NYG2884563	BFC	
1	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	24-Sep-03	0	300	300	300	0	0	1034	AR1363770	HAZMAT	
1	BATTERIES	NON			ENSCO	1449246	RECYC	24-Sep-03	0	30	0	0	0	30	1034	AR1363770	HAZMAT	

pounds 554,335 510,476 367,265 108,410 34,831

tons 277.2 255.2 183.6 54.2 17.4

2004HAZARDOUS WASTE REPORT WORKSHEET

Rev

WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
WASTE LIQUID	HAZ	F003	Scrubber	CECOS	12342	TREAT	7-Oct-03	21,017	21,017	0	21,017		1035	NYG3961944	BFC	
SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	CHEMNY-WW	TREAT	15-Oct-03	10,000	10,000	0	0	10,000	1036	PAG366338	AUTUMN	
SPENT CARBON	HAZ	D001, F005		ENVIROTROL	BUSPNY-AF	TREAT	15-Oct-03	400	400	0	0	400	1036	PAG366338	AUTUMN	
MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	15-Oct-03	41,920	41,920	41,920	0	0	1037	NYG2884572	BFC	
SOD HYD/SOD CL	HAZ	D002, F002, F005	Scrubber	CECOS	12342-AAE	TREAT	16-Oct-03	44,683	44,683	0	44,683	0	1038	NYG3959478	BFC	
SOD HYD/SOD CL	HAZ	D002, F002, F005	Scrubber	CECOS	12342AAE	TREAT	17-Oct-03	41,200	41,200	0	41,200	0	1039	NYG3959496	BFC	
SOD HYD/SOD CL	HAZ	D002, F002, F005	Scrubber	CECOS	12342AAE	TREAT	17-Oct-03	39,732	39,732	0	39,732	0	1040	NYG3959487	BFC	
MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	21-Oct-03	37,020	37,020	37,020	0	0	1041	NYG2884599	BFC	
SOD HYD/SOD CL	HAZ	D002, F002, F005		CECOS	12342AAE	TREAT	21-Oct-03	45,036	45,036	0	45,036	0	1042	NYG3959361	BFC	
WASTE LAMPS	NON			ENSCO			23-Oct-03	400	0	0	0	0	1043	996867	FREEHOLD	
MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	23-Oct-03	39,280	39,280	39,280	0	0	1044	NYG2884608	BFC	
MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	24-Oct-03	41,480	41,480	41,480	0	0	1045	NYG2884617	BFC	
MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	27-Oct-03	46,580	46,580	46,580	0	0	1046	NYG2884626	BFC	
MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	29-Oct-03	40,860	40,860	40,860	0	0	1047	NYG2884635	BFC	
MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	3-Nov-03	43,020	43,020	43,020	0	0	1048	NYG2884653	BFC	
PNBC	NON		PNBC	NORLITE	ST021203	INCIN	29-Oct-03	40,380	0	0	0	0	1049	NYD080469935	UNITED IND	
PNBC	NON		PNBC	NORLITE	ST021203	INCIN	31-Oct-03	18,260	0	0	0	0	1050	NYD080469935	UNITED IND	
MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	5-Nov-03	43,340	43,340	43,340	0	0	1051	NYG2884662	BFC	
MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	2-Nov-03	43,005	43,005	43,005	0	0	1052	NYF2884671	BFC	
MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	3-Nov-03	41,760	41,760	41,760	0	0	1053	NYG2884689	BFC	
MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	4-Nov-03	46,180	46,180	46,180	0	0	1054	NYG2884698	BFC	
MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	10-Nov-03	41,460	41,460	41,460	0	0	1055	NYG2884707	BFC	
WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	11-Nov-03	300	300	300	0	0	1056	AR1363492	HAZMAT	
NBA	HAZ	D001		ENSCO	1453251	INCIN	11-Nov-03	500	500	500	0	0	1056	AR1363492	HAZMAT	
P-NITROPHENOLS	HAZ	U170		ENSCO	1453242	INCIN	11-Nov-03	170	170	170	0	0	1056	AR1363492	HAZMAT	
MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	12-Nov-03	43,060	43,060	43,060	0	0	1057	NYG3961512	BFC	
MET/TOL	HAZ	D001, F003, F005	FC-102E/ACL	NORLITE	ST028503	INCIN	14-Nov-03	44,600	44,600	44,600	0	0	1058	NYG3961521	BFC	
PETROLEUM WASTE	NON			SAFETY CLN	10827JF		12-Nov-03	175	0				1059	103788726	SAFETY CLN	
MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	17-Nov-03	46,680	46,680	46,680	0	0	1060	NYG3961539	BFC	
MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	21-Nov-03	44,900	44,900	44,900	0	0	1061	NYG3961548	BFC	
SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	VANCHEMNY	TREAT	25-Nov-03	10,000	10,000	0	0	10,000	1062	PAG475077	AUTUMN	
SPENT CARBON	HAZ	D001, F005		ENVIROTROL	VANBUSPNY	TREAT	25-Nov-03	555	555	0	0	555	1062	PAG475077	AUTUMN	
MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	25-Nov-03	44,840	44,840	44,840	0	0	1063	NYG3961566	BFC	
MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	1-Dec-03	45,640	45,640	45,640	0	0	1064	NYG3961557	BFC	
WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	2-Dec-03	15,200	15,200	15,200	0	0	1065	AR1363517	FREEHOLD	
TOL/TMTC	HAZ	D001, D003, F005		ENSCO	1392551	INCIN	2-Dec-03	2,000	2,000	2,000	0	0	1065	AR1363517	FREEHOLD	
P-NITROPHENOLS	HAZ	U170		ENSCO	1453242	INCIN	2-Dec-03	100	100	100	0	0	1065	AR1363517	FREEHOLD	
WASTE LIQUID	HAZ	F002		ENSCO	1434023	INCIN	2-Dec-03	100	100	100	0	0	1065	AR1363517	FREEHOLD	
TOL/DEA	HAZ	D001, F005		ENSCO	1328204	INCIN	2-Dec-03	250	250	250	0	0	1065	AR1363517	FREEHOLD	
MCB/HCL	HAZ	D001, D002, F003		ENSCO	1434112	INCIN	2-Dec-03	250	250	250	0	0	1065	AR1363517	FREEHOLD	
WASTE LIQUID	HAZ	D003, D021	HEGCI	ENSCO	1318824	INCIN	2-Dec-03	500	500	500	0	0	1065	AR1363517	FREEHOLD	

2004HAZARDOUS WASTE REPORT WORKSHEET																
Rev																
WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022	NDI	NORLITE	ST004502	INCIN	2-Dec-03	7,200	7,200	7,200	0	0	1066	NYG3958524	UNITED IND	
ODCB/HEPTANE	HAZ	D001	NDI	NORLITE	ST021803	INCIN	2-Dec-03	2,100	2,100	2,100	0	0	1066	NYG3958524	UNITED IND	
ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022	NDI	NORLITE	ST004502	INCIN	2-Dec-03	900	900	900	0	0	1066	NYG3958524	UNITED IND	
HCL/TOL	HAZ	D002, F002, F003, F005, D021, D001		BRIDGEPORT	2258ESTD2L	INCIN	2-Dec-03	2,100	2,100	2,100	0	0	1067	CTF1000391	UNITED IND	
NON REG	NON			BRIDGEPORT	0927DN4	INCIN	2-Dec-03	3,000	0	0	0	0	1067	CTF1000391	UNITED IND	
NON REG	NON			BRIDGEPORT	0928DN4	INCIN	2-Dec-03	6,000	0	0	0	0	1067	CTF1000391	UNITED IND	
NON REG	NON			NORLITE	ST034103	INCIN	2-Dec-03	400	0	0	0	0	1069	CTV31324	UNITED IND	
SODIUM HYDROXIDE	HAZ	D002, D005		CWM CHEM	BY1707	TREAT	3-Dec-03	400	400	0	400	0	1069	NYG3961296	FREEHOLD	
SPENT CARBON	HAZ	F002, F003, F005		ENVIROTROL	CHEMNYWV	RECYC	16-Dec-03	15,000	15,000	0	0	15000	1070	PAG475079	AUTUMN	
MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	18-Dec-03	44,340	44,340	44,340	0	0	1071	NYG3961584	BFC	
MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	22-Dec-03	43,119	43,119	43,119	0	0	1072	NYG3961575	BFC	
BZOH	NON		BFC	NORLITE	ST039703	INCIN	23-Dec-03	47,020	0	0	0	0	1073	NYR0000457242	BFC	
NON REG	NON			BRIDGEPORT	0927DN4	INCIN	23-Dec-03	2,400	0	0	0	0	1074	CTF0563840	UNITED IND	
NON REG	NON			BRIDGEPORT	0927DN4	INCIN	23-Dec-03	100	0	0	0	0	1074	CTF0563840	UNITED IND	
NON REG	NON			NORLITE	ST004902	INCIN	23-Dec-03	300	0	0	0	0	1075	CTD021816889	UNITED IND	
ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	23-Dec-03	4,500	4,500	4,500	0	0	1076	NYG3958227	UNITED IND	
CHLOROBENZENE	HAZ	D001, F002, D021	NDI	NORLITE	ST040003	INCIN	23-Dec-03	12,300	12,300	12,300	0	0	1076	NYG3958227	UNITED IND	
ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	23-Dec-03	600	600	600	0	0	1076	NYG3958227	UNITED IND	
THF/MTBE	HAZ	D001		NORLITE	ST012403	INCIN	23-Dec-03	1,200	1,200	1,200	0	0	1076	NYG3958227	UNITED IND	
MCB/HEPTANE	HAZ	D001, F002, D021, F005		NORLITE	ST021803	INCIN	23-Dec-03	4,500	4,500	4,500	0	0	1077	NYG3958245	UNITED IND	
THF/MTBE	HAZ	D001	Z-Valine NCA	NORLITE	ST012403	INCIN	23-Dec-03	300	300	300	0	0	1077	NYG3958245	UNITED IND	
HAZ WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	23-Dec-03	3,600	3,600	3,600	0	0	1078	AR1294484	FREEHOLD	
HAZ WASTE LIQUID	HAZ	D003, D021		ENSCO	1408339	INCIN	23-Dec-03	2,700	2,700	2,700	0	0	1078	AR1294484	FREEHOLD	
TRIETHYLAMINE	HAZ	D001, D002		ENSCO	1453343	INCIN	23-Dec-03	900	900	900	0	0	1078	AR1294484	FREEHOLD	
NBI	HAZ	D001, D003		ENSCO	1453334	INCIN	23-Dec-03	1,200	1,200	1,200	0	0	1078	AR1294484	FREEHOLD	
NON REG	HAZ			ENSCO	1453335	INCIN	23-Dec-03	600	600	600	0	0	1078	AR1294484	FREEHOLD	
MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	29-Dec-03	46,220	46,220	46,220	0	0	1079	NYG3961593	BFC	
MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	29-Dec-03	45,360	45,360	45,360	0	0	1080	NYG3961602	BFC	
MET/TOL	HAZ	D001, F003, F005	FC-102E	NORLITE	ST028503	INCIN	31-Dec-03	46,653	46,653	46,653	0	0	1081	NYG3958695	BFC	

1,411,8451,293,4101,065,387192,06835,9551,293,410

TOTAL WEIGHT646.705

	TONS	DOLLARS
total tons generated	646.71	
tons not subjet to assess	17.98	
ton subject to assessmer	628.73	
tons incinerated	532.69	\$4,794.24
tons ww	96.03	\$1,536.54
total assessment due		\$6,330.79

2004 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	MET/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	2-Jan-04	0	40,420	40,420	40,420	0	0	1082	NYG3958029	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	5-Jan-04	0	41,240	41,240	41,240	0	0	1082	NYG3958704	BFC	
3	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY	INCIN	6-Jan-04	0	13,330	13,330	0	0	13,330	1083	PAG475080	AUTUMN	
1	SPENT CARBON	HAZ	D001, D021, F002		ENVIRO	VDMNY	INCIN	6-Jan-04	0	203	203	0	0	203	1083	PAG475080	AUTUMN	
1	MET/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	7-Jan-04	0	46,480	46,480	46,480	0	0	1084	NYG3958713	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	14-Jan-04	0	43,800	43,800	43,800	0	0	1085	NYG3958722	BFC	
1	MET/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	19-Jan-04	0	37,340	37,340	37,340	0	0	1086	NYG3958731	BFC	
1	THF/MTB	HAZ	D001	L-Val	NORLITE	ST012403	INCIN	23-Jan-04	0	40,100	40,100	40,100	0	0	1087	NYG3958389	BFC	
1	HCL	HAZ	D002, D021, F002, F005	L-Val	EQ RES	A59404OTS	INCIN	26-Jan-04	0	17,780	17,780	17,780	0	0	1088	MI9049694	FREE	
1	THF/MTB	HAZ	D001	L-Val	NORLITE	ST012403	INCIN	27-Jan-04	0	46,080	46,080	46,080	0	0	1089	NYG3958398	BFC	
1	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY	TREAT	29-Jan-04	0	4,446	4,446	0	0	4,446	1090	PAG475082	AUTUMN	
2	SPENT CARBON	HAZ	D001, F005		ENVIRO	BUSPNY	TREAT	29-Jan-04	0	344	344	0	0	344	1090	PAG475082	AUTUMN	
1	THF/MTB	HAZ	D001	L-Val	NORLITE	ST012403	INCIN	30-Jan-04	0	43,600	43,600	43,600	0	0	1091	NYG3958407	BFC	
1	HCL/THF	HAZ	D002, D021, F002, F005, D001	L-Val	EQ RES	A59404	INCIN	2-Feb-04	0	27,240	27,240	27,240	0	0	1092	MI9049638	FREE	
1	THF/MTB	HAZ	D001	L-Val	NORLITE	ST012403	INCIN	3-Feb-04	0	46,960	46,960	46,960	0	0	1093	NYG3958416	BFC	
1	THF/MTB	HAZ	D001	L-Val	NORLITE	ST012403	INCIN	4-Feb-04	0	46,540	46,540	46,540	0	0	1094	NYG3958425	BFC	
1	ODCB/HEP	HAZ	D001, F002, D021, F005	NDI	NORLITE	ST026003	INCIN	5-Feb-04	0	200	200	200	0	0	1095	NYG4335255	UNITED IND	
4	ACE/TOL	HAZ	D001		NORLITE	ST004502	INCIN	5-Feb-04	0	1,200	1,200	1,200	0	0	1095	NYG4335255	UNITED IND	
16	ODCB/HEP	HAZ	D001, F002, D021, F005	NDI	NORLITE	ST026003	INCIN	5-Feb-04	0	4,800	4,800	4,800	0	0	1095	NYG4335255	UNITED IND	
33	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	5-Feb-04	0	9,900	9,900	9,900	0	0	1095	NYG4335255	UNITED IND	
2	NON BOH	NON			NORLITE	ST039703	INCIN	5-Feb-04	0	400	0	400	0	0	1096	CTD021816889	UNITED IND	
3	HCL/TOL	HAZ	D002, F002, F003, F005, D021, D001		BRIDGEPORT	2258ESTD2L	RECYC	5-Feb-04	0	900	900	0	0	900	1097	CTF1144398	UNITED IND	
2	NON REG SOLIDS	NON			BRIDGEPORT	0927DN4	RECYC	5-Feb-04	0	600	0	0	0	600	1097	CTF1144398	UNITED IND	
3	NON REG PTSI	NON			BRIDGEPORT	0928DN4	RECYC	4-Feb-05	0	1,500	0	0	0	1,500	1097	CTF1144398	UNITED IND	
1	HCL/TOL	HAZ	D002		BRIDGEPORT	2258ESTD2L	RECYC	4-Feb-05	0	350	350	0	0	350	1097	CTF1144398	UNITED IND	
12	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	5-Feb-04	0	3,600	3,600	3,600	0	0	1098	AR1442220	FREE	
1	IBCF	HAZ	D002, D003, D001		ENSCO	1453346	INCIN	5-Feb-04	0	200	200	200	0	0	1098	AR1442220	FREE	
2	NON REG FC102E/B	NON			ENSCO	1453335	INCIN	5-Feb-04	0	600	0	600	0	0	1098	AR1442220	FREE	
1	NON REG 4MET	NON			ENSCO	1453344	INCIN	5-Feb-04	0	100	0	100	0	0	1098	AR1442220	FREE	
1	ETHYLAMINE/AQU SOL	HAZ	D001, D002		ENSCO	1449310	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	THCL/BUTYRIC ACID	HAZ	D002		ENSCO	11589	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548	HAZMAT EN	
1	METHANESULFONYL	HAZ	D002		ENSCO	90784	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	METHANESULFONYL	HAZ	D002		ENSCO	90784	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	METHANESULFONYL	HAZ	D002		ENSCO	1449310	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	METHANESULFONYL	HAZ	D002		ENSCO	11589	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	BCL/TMTC	HAZ	D001, D002, U008, FF05		ENSCO	ERG132	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548	HAZMAT EN	
1	METHYLMORPHOLINE	HAZ	D001, D002		ENSCO	ERG132	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	PHENOL	HAZ	U188		ENSCO	ERG153	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	HYDRAZINE HYDRATE	HAZ	D002, U133		ENSCO	ERG153	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548	HAZMAT EN	
1	TOL	HAZ	D001, F005		ENSCO	ERG133	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548	HAZMAT EN	
1	HYDROFLUORIC ACID	HAZ	D002		ENSCO	ERG157	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	1CHLOR 2PRO/POH	HAZ	D001, F003, F005, P102, F002		ENSCO	ERG131	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548	HAZMAT EN	
1	BZCL	HAZ	D002, P028		ENSCO	PLC3-20	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	NBI/OCT SOL ISOCY	HAZ	D001		ENSCO	PLC3-25	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	2FUROYL CL	HAZ	D002		ENSCO	PLC3-26	INCIN	5-Feb-04	0	100	100	100	0	0	1099	AR1363548	HAZMAT EN	
1	TMTC	HAZ	D002		ENSCO	PLC3-28	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	IBCF	HAZ	D001, D002, D003		ENSCO	PLC3-29	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548	HAZMAT EN	
1	PALLADIUM/CARB	NON			ENSCO	PLC3-1	INCIN	5-Feb-04	0	10	0	10	0	0	1099	AR1363548	HAZMAT EN	
1	POT TBUT / DI CYC OCT	NON			ENSCO	PLC3-3	INCIN	5-Feb-04	0	10	0	10	0	0	1099	AR1363548	HAZMAT EN	
1	DIMETHOXYBENZENE,	NON			ENSCO	PLC3-11	INCIN	5-Feb-04	0	100	0	100	0	0	1099	AR1363548	HAZMAT EN	
1	VALINE/METHOXYPH	NON			ENSCO	PLC3-12	INCIN	5-Feb-04	0	100	0	100	0	0	1099	AR1363548	HAZMAT EN	
1	STEARIC / ADIPIC ACID	NON			ENSCO	PLC3-13	INCIN	5-Feb-04	0	100	0	100	0	0	1099	AR1363548	HAZMAT EN	
1	DMF/DCHLOROANALIN	NON			ENSCO	PLC3-18	INCIN	5-Feb-04	0	100	0	100	0	0	1099	AR1363548	HAZMAT EN	
2	PHCF / CHPROPCF	NON			ENSCO	PLC3-21	INCIN	5-Feb-04	0	10	0	10	0	0	1099	AR1363548	HAZMAT EN	

L = LANDFILL
B = INCINERATION
T = TREATED
R = RECYCLE

2004 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	ACL/PALMIDIC CL	NON			ENSCO	PLC3-22	INCIN	5-Feb-04	0	100	0	100	0	0	1099	AR1363548	HAZMAT EN	
1	ETHYLHEXYL CF	NON			ENSCO	PLC3-27	INCIN	5-Feb-04	0	50	0	50	0	0	1099	AR1363548	HAZMAT EN	
1	NON REG SOLIDS	NON			ENSCO	PLC3-24	INCIN	5-Feb-04	0	10	0	10	0	0	1099	AR1363548	HAZMAT EN	
1	THF/MTB	HAZ	D001	L-Val	NORLITE	ST012403	INCIN	6-Feb-04	0	41,960	41,960	41,960	0	0	1100	NYG3958434	BFC	
1	HCL/THF	HAZ	D002, D021, F002, F005, D001	L-Val	EQ RES	A59404	INCIN	5-Feb-04	0	40,100	40,100	40,100	0	0	1101	MI9049639	FREE	
1	PETROLEUM WASTE	NON			SAFETY CLN	10827JF	INCIN	5-Feb-04	0	156	0	156	0	0	1102	TXR000050930	SAFETY CLN	
1	HCL/THF	HAZ	D002, D021, F002, F005	L-Val	EQ RES	A59404	INCIN	6-Feb-04	0	38,560	38,560	38,560	0	0	1103	MI9049640	FREE	
1	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	10-Feb-04	0	45,100	45,100	45,100	0	0	1104	NYG3958353	BFC	
2	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY	TREAT	12-Feb-04	0	9,740	9,740	0	0	9,740	1105	PAG475083	AUTUMN	
1	SPENT CARBON	HAZ	D001, D021, F002		ENVIRO	VDMNY	TREAT	12-Feb-04	0	185	185	0	0	185	1105	PAG475083	AUTUMN	
5	SPENT CARBON	HAZ	D001, F005		ENVIRO	BUSPNY	TREAT	12-Feb-04	0	805	805	0	0	805	1105	PAG475083	AUTUMN	
1	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	13-Feb-04	0	33,900	33,900	33,900	0	0	1106	NYG3958344	BFC	
1	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	17-Feb-04	0	47,660	47,660	47,660	0	0	1107	NYG3958326	BFC	
1	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	20-Feb-04	0	36,000	36,000	36,000	0	0	1108	NYG3958335	BFC	
1	LIQUID WASTE	HAZ	F002	THF/MTBE Release	CECOS	12038	TREAT	23-Feb-04	5,600	47,840	47,840	0	47,840	0	1109	NYG4335732	BFC	
1	LIQUID WASTE	HAZ	F002	THF/MTBE Release	CECOS	12038	TREAT	23-Feb-04	5,174	44,140	44,140	0	44,140	0	1110	NYG4335714	BFC	
1	LIQUID WASTE	HAZ	F002	THF/MTBE Release	CECOS	12038	TREAT	24-Feb-04	5,500	47,240	47,240	0	47,240	0	1111	NYG4335741	BFC	
1	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	24-Feb-04	0	46,080	46,080	46,080			1112	NYG3958317	BFC	
4	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY	TREAT	25-Feb-04	0	17,740	17,740	0		17,740	1113	PAG475084	AUTUMN	
1	LIQUID WASTE	HAZ	F002, F003, F005, D021	THF/MTBE Release	NORLITE	ST015103	INCIN	26-Feb-04	0	34,780	34,780	34,780	0	0	1114	NYG4335813	UNITED IND	
1	LIQUID WASTE	HAZ	F002, F003, F005, D021	THF/MTBE Release	NORLITE	ST015103	INCIN	26-Feb-04	0	12,560	12,560	12,560	0	0	1115	NYG4335804	UNITED IND	
1	LIQUID WASTE	HAZ	F002	THF/MTBE Release	CECOS	12038	TREAT	27-Feb-04	5,000	23,420	23,420	0	23,420	0	1116	NYG4335723	BFC	
1	LIQUID WASTE	HAZ	F002	THF/MTBE Release	CECOS	12038	TREAT	27-Feb-04	5,000	39,800	39,800	0	39,800	0	1117	NYG2772765	BFC	
9	NON REG PTSI	NON			BRIDGEPORT	0928DN4	INCIN	10-Mar-04	0	4,597	0	4,597	0	0	1118	CTF1084281	UNITED IND	
3	NON REG SOLIDS	NON			BRIDGEPORT	0927DN4	INCIN	10-Mar-04	0	763	0	763	0	0	1118	CTF1084281	UNITED IND	
6	NON REG TBU/DBA	NON			NORLITE	ST00294N	INCIN	10-Mar-04	0	1,494	0	1,494	0	0	1119	CTD021816889	UNITED IND	
35	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	10-Mar-04	0	13,533	13,533	13,533	0	0	1120	NYG4337685	UNITED IND	
4	ODCB/HEP	HAZ	D001	CHDI	NORLITE	ST004502	INCIN	10-Mar-04	0	1,916	1,916	1,916	0	0	1120	NYG4337685	UNITED IND	
3	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST026003	INCIN	10-Mar-04	0	1,105	1,105	1,105	0	0	1120	NYG4337685	UNITED IND	
1	ODCB/HEP	HAZ	D001	CHDI	NORLITE	ST021803	INCIN	10-Mar-04	0	324	324	324	0	0	1120	NYG4337685	UNITED IND	
1	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	10-Mar-04	0	419	419	419	0	0	1121	NYG4337694	UNITED IND	
26	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	10-Mar-04	0	5,303	5,303	5,303	0	0	1122	AR1442282	HAZMAT EN	
1	THF/MTB	HAZ	D001, F002, D021	Z-Val	NORLITE	ST012403	INCIN	16-Mar-04	0	46,740	46,740	46,740	0	0	1123	NYG4335705	BFC	
4	WASTE SOLID	HAZ	F002, F003, F005		ENSCO	1378178	INCIN	18-Mar-04	0	519	519	519	0	0	1124	AR1442275	HAZMAT EN	
20	RESIDUE AMINES	HAZ			ENSCO	1453388	INCIN	18-Mar-04	0	1,209	1,209	1,209	0	0	1124	AR1442275	HAZMAT EN	
1	ODCB/HEP	HAZ	D001, F002, D021, F005	CHDI	NORLITE	ST026003	INCIN	19-Mar-04	0	32,800	32,800	33,080	0	0	1125	NYG4337946	UNITED IND	
1	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	23-Mar-04	0	46,040	46,040	46,040	0	0	1126	NYG4336542	BFC	
2	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY	TREAT	24-Mar-04	0	7,237	7,237		0	7,237	1127	PAG475085	AUTUMN	
1	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	26-Mar-04	0	43,580	43,580	43,580	0	0	1128	NYG4336533	BFC	
1	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	30-Mar-04	0	41,920	41,920	41,920	0	0	1129	NYG4336524	BFC	
1	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	2-Apr-04	0	44,400	44,400	44,400	0	0	1130	NYG4336515	BFC	
1	METHONAL/THF	HAZ	F003	Z-Val	CECOS	12342AAF	TREAT	5-Apr-04	0	41,160	41,160	0	41,160	0	1131	NYG4336767	BFC	
1	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	6-Apr-04	0	42,620	42,620	42,620	0	0	1132	NYG4338009	BFC	
1	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	13-Apr-04	0	46,000	46,000	46,000	0	0	1133	NYG4337991	BFC	
1	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	16-Apr-04	0	43,780	43,780	43,780	0	0	1134	NYG4337982	BFC	
1	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	20-Apr-04	0	41,300	41,300	41,300	0	0	1135	NYG4337973	BFC	
1	PETROLEUM WASTE	NON			SAFETY CLN		INCIN	26-Apr-04	24	0	0		0	0	1136	NYD984556541	SAFETY CLN	
1	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	30-Apr-04	0	38,760	38,760	38,760	0	0	1137	NYG4337964	BFC	
1	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	5-May-04	0	41,100	41,100	41,100	0	0	1138	NYG4334022	BFC	
1	THF/MTB	HAZ	D001, F002, D021, F003	Z-Val	NORLITE	ST012403	INCIN	7-May-04	0	38,500	38,500	38,500	0	0	1139	NYG2884419	BFC	
2	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY W	TREAT	11-May-04	0	5,948	5,948		0	5,948	1140	PAH095754	AUTUMN	
3	MTBE/THF	HAZ	D001	Z-Val	ENVIRO	TETRNY CF	TREAT	11-May-04	0	5,735	5,735		0	5,735	1140	PAH095754	AUTUMN	

L = LANDFILL
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T = TREATED

R = RECYCLE
S = STORAGE

2004 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
2	SPENT CARBON	HAZ	D001, D021, F002		ENVIRO	VDMNY AF	TREAT	11-May-04	0	385	385	0	0	385	1140	PAH095754	AUTUMN	
5	SPENT CARBON	HAZ	D001, F005		ENVIRO	BUSPNY AF	TREAT	11-May-04	0	855	855		0	855	1140	PAH095754	AUTUMN	
1	THF/MTB	HAZ	D001, F002, D021, F003	Z-Val	NORLITE	ST012403	INCIN	7-May-04	0	29,580	29,580	29,580	0	0	1141	NYG2884401	BFC	
1	METH/TOL	HAZ	F003, D001, F005	FC-102	NORLITE	ST028503	INCIN	11-May-04	0	43,620	43,620	43,620	0	0	1142	NYG5261013	BFC	
1	METH/TOL	HAZ	F003, D001, F005	FC-102	NORLITE	ST028503	INCIN	14-May-04	0	44,100	44,100	44,100	0	0	1143	NYG5261022	BFC	
1	METH/TOL	HAZ	F003, D001, F005	FC-102	NORLITE	ST028503	INCIN	18-May-04	0	43,160	43,160	43,160	0	0	1144	NYG5261031	BFC	
2	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY-WV	TREAT	20-May-04	0	7,444	7,444	0	0	7,444	1145	PAG475411	AUTUMN	
1	SPENT CARBON	HAZ	D001, F005		ENVIRO	BUSPNY AF	TREAT	20-May-04	0	172	172	0	0	172	1145	PAG475411	AUTUMN	
1	METH/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	21-May-04	0	40,660	40,660	40,660	0	0	1146	NYG5261049	BFC	
1	ACE/TOL	HAZ	F003, D001, F005, D022, F002, D021	FC-102	NORLITE	ST010803	INCIN	25-May-04	0	43,780	43,780	43,780	0	0	1147	NYG5261409	BFC	
1	DMF	HAZ	D001	ACL	NORLITE	ST010202	INCIN	26-May-04	0	11,100	11,100	11,100	0	0	1148	NYG5261382	BFC	
44	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	1-Jun-04	0	10,895	10,895	10,895	0	0	1149	AR1294466	HAZMAT EN	
6	HCL WASTE	HAZ	F002, F005, D021		ENSCO	1450506	INCIN	1-Jun-04	0	2,586	2,586	2,586	0	0	1149	AR1294466	HAZMAT EN	
1	BUTXYLOL	HAZ	D001		ENSCO	1449673	INCIN	1-Jun-04	0	20	20	20	0	0	1150	AR1294467	HAZMAT EN	
1	PHOS ACID	HAZ	D002		ENSCO	1449373	INCIN	1-Jun-04	0	10	10	10	0	0	1150	AR1294467	HAZMAT EN	
1	AEROSOLS	HAZ	D001		ENSCO	1449373	INCIN	1-Jun-04	0	1	1	1	0	0	1150	AR1294467	HAZMAT EN	
1	DISINFECTANTS	HAZ	D002		ENSCO	1449373	INCIN	1-Jun-04	0	40	40	40	0	0	1150	AR1294467	HAZMAT EN	
1	ETHYL CENT	HAZ			ENSCO	1449373	INCIN	1-Jun-04	0	5	5	5	0	0	1150	AR1294467	HAZMAT EN	
1	TOXIC LIQUIDS	HAZ			ENSCO	1449373	INCIN	1-Jun-04	0	15	15	15	0	0	1150	AR1294467	HAZMAT EN	
1	NON REG	NON			BRIDGEPORT	092DN4	INCIN	1-Jun-04	0	380	0	380	0	0	1151	CTF1084285	UNITED IND	
19	PTSI RES	NON			BRIDGEPORT	0928ON4	INCIN	1-Jun-04	0	9,740	0	9,740	0	0	1151	CTF1084285	UNITED IND	
11	ACE/TOL	HAZ	F003, D001, F002, F005, D021, D022		NORLITE	ST004502	INCIN	1-Jun-04	0	4,398	4,398	4,398	0	0	1152	NYG5261463	UNITED IND	
1	TOL/METH	HAZ	D001, F005, F003		NORLITE	ST011303	INCIN	1-Jun-04	0	412	412	412	0	0	1152	NYG5261463	UNITED IND	
9	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	1-Jun-04	0	3,283	3,283	3,283	0	0	1152	NYG5261463	UNITED IND	
2	NON WASTE OIL	NON			NORLITE	ST004902	INCIN	1-Jun-04	0	821	0	821	0	0	1153	CTD021816889	UNITED IND	
1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022	NDI	NORLITE	ST010803	INCIN	1-Jun-04	0	42,800	42,800	42,800	0	0	1154	NYG5261418	BFC	
1	NAOH/TOL	HAZ	F005, F003, D001, D002, F021, F002	NDI/NDA Inc	BRIDGEPORT		INCIN	4-Jun-04	0	44,800	44,800	44,800	0	0	1155	CTF1084286	UNITED IND	
1	NAOH/TOL	HAZ	F005, F003, D001, D002, F021, F002	NDI/NDA Inc	BRIDGEPORT		INCIN	7-Jun-04	0	45,440	45,440	45,440	0	0	1156	CTF1084287	UNITED IND	
1	NAOH/TOL	HAZ	F005, F003, D001, D002, F021, F002	NDI/NDA Inc	BRIDGEPORT	1598FD2HFB	INCIN	8-Jun-04	0	30,000	30,000	30,000	0	0	1157	CTF0946828	UNITED IND	
1	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY-WV	TREAT	7-Jun-04	0	4,030	4,030	0	0	4,030	1158	PAG475410	BFC	
4	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY-WV	TREAT	1-Jul-04	0	14,080	14,080	0	0	14,080	1159	PAG475406	AUTUMN	
2	SPENT CARBON	HAZ			ENVIRO	CHEMNY-WV	TREAT	1-Jul-04	0	339	339	0	0	339	1159	PAG475406	AUTUMN	
1	ACE/TOL	HAZ	F003, D001, F005, D022, F002, D021	NDI	NORLITE	SAN218211	INCIN	2-Jul-04	0	44,820	44,820	44,820	0	0	1160	NYG5261427	BFC	
1	WASTE SOLID	HAZ	F005, F003, F002	NDI/NDA Inc	ONYX ENV	655907	INCIN	9-Jul-04	0	7,100	7,100	7,100	0	0	1161	IL9703838	HAZMAT EN	
1	WASTE SOLID	HAZ	F005, F003, F002	NDI/NDA Inc	ONYX ENV	655907	INCIN	14-Jul-04	0	3,620	3,620	3,620	0	0	1162	IL10961290	BFC	
26	WASTE SOLID	HAZ	F005, F003, F002		ENSCO	1378178	INCIN	14-Jul-04	0	8,234	8,234	8,234	0	0	1163	AR1224827	HAZMAT EN	
3	ACL	HAZ	D003		ENSCO	1393044	INCIN	14-Jul-04	0	577	577	577	0	0	1163	AR1224827	HAZMAT EN	
9	ACE/PHCF	HAZ	F003, D001, D002, D003, F005		ENSCO	1434044	INCIN	14-Jul-04	0	3,415	3,415	3,415	0	0	1163	AR1224827	HAZMAT EN	
10	NAOH	HAZ	D002		ENSCO	1393023	INCIN	14-Jul-04	0	4,290	4,290	4,290	0	0	1163	AR1224827	HAZMAT EN	
1	NON REG WATER	NON		PHCF	CECOS	13599	TREAT	16-Jul-04	0	17,700	0	0	17,700	0	1164	NYR000045724	BFC	
43	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	14-Jul-04	0	14,590	14,590	14,590	0	0	1165	NYG5261193	UNITED IND	
8	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	14-Jul-04	0	3,106	3,106	3,106	0	0	1165	NYG5261193	UNITED IND	
36	TOL/METH	HAZ	D001, F005, F003		NORLITE	ST0113-03	INCIN	14-Jul-04	0	16,236	16,236	16,236	0	0	1165	NYG5261193	UNITED IND	
1	ACE/TOL	HAZ	F003, D001, F002, F005, D021, D022	NDI	NORLITE	ST010803	INCIN	16-Jul-04	0	19,920	19,920	19,920	0	0	1166	NYG2884374	UNITED IND	

2004 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNYWV	TREAT	19-Jul-04	0	4,190	4,190	0	4,190	0	1167	PAG475407	AUTUMN	
1	PETROLEUM WASTE	NON			SAFETY CLN	NY10827JF	INCIN	28-Jul-04	21	0	0		0	0	1168	TXR000050930	SAFETY CLN	
3	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNYWW	TREAT	2-Aug-04	0	12,410	12,410	0	12,410	0	1169	PAG475408	AUTUMN	
1	SPENT CARBON	HAZ	D001, D021, F002		ENVIRO	VDMNYAF	TREAT	2-Aug-04	0	182	182	0	182	0	1169	PAG475408	AUTUMN	
1	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	SAN218296	INCIN	5-Aug-04	0	35,120	35,120	35,120	0	0	1170	NYG5261931	BFC	
1	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	SAN218297	INCIN	6-Aug-04	0	34,360	34,360	34,360	0	0	1171	NYG5261976	BFC	
1	TOL/DEA	HAZ	D001, F005	HEP/ACL/ HEGCL	NORLITE	ST014802	INCIN	24-Aug-04	0	35,720	35,720	35,720	0	0	1172	NYG5261958	BFC	
1	UNIV WASTE LAMPS	NON			BETHLEHEM	12868		25-Aug-04	0	300	0	0	0	0	1173	NJD054126164	FREEHOLD	
2	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY-WV	TREAT	2-Sep-04	0	9,800	9,800	0	9,800	0	1174	PAG475409	AUTUMN	
3	SPENT CARBON	HAZ	F005		ENVIRO	TOLNY-CP	TREAT	2-Sep-04	0	6,502	6,502	0	6,502	0	1174	PAG475409	AUTUMN	
1	SPENT CARBON	HAZ	D001, D021, F002		ENVIRO	VDMNY-AF	TREAT	2-Sep-04	0	196	196	0	196	0	1174	PAG475409	AUTUMN	
1	SPENT CARBON	HAZ	D001, F005		ENVIRO	BUSPNY-AF	TREAT	2-Sep-04	0	201	201	0	201	0	1174	PAG475409	AUTUMN	
1	TOL/DEA	HAZ	F005	HEGCI	NORLITE	ST014802	INCIN	14-Sep-04	0	37,360	37,360	37,360	0	0	1175	NYG5261949	BFC	
1	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	VANCHEMNY	TREAT	9-Sep-04	0	4,530	4,530	0	4,530	0	1176	PAH095765	AUTUMN	
5	SPENT CARBON	HAZ	D001, F005		ENVIRO	VANTOLNYCP	TREAT	9-Sep-04	0	13,275	13,275	0	13,275	0	1176	PAH095765	AUTUMN	
24	NON REG PTSI	HAZ	CRO5		BRIDGEPORT	0928DN4	INCIN	22-Sep-04	0	13,618	13,618	13,618	0	0	1177	CTF1047385	UNITED IND	
8	NON REG HAZ SOLIDS	HAZ	CRO5		BRIDGEPORT	0927DN4	INCIN	22-Sep-04	0	2,114	2,114	2,114	0	0	1177	CTF1047385	UNITED IND	
5	NON REG BOH	NON			NORLITE	ST039703	TREAT	20-Sep-04	0	2,007	0	0	2,007	0	1178	CTD021816889	UNITED IND	
9	ACE/TOL	HAZ	D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	20-Sep-04	0	3,575	3,575	3,575	0	0	1179	NYG5260302	UNITED IND	
31	ACE/TOL	HAZ	D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	20-Sep-04	0	10,512	10,512	10,512	0	0	1179	NYG5260302	UNITED IND	
3	DMF	HAZ	D001		NORLITE	ST010202	INCIN	20-Sep-04	0	2,007	2,007	2,007	0	0	1179	NYG5260302	UNITED IND	
5	HCL/TOL	HAZ	F005, F003, D001, D002, F002, D021		BRIDGEPORT	2258ESTD2L	INCIN	22-Sep-04	0	2,196	2,196	2,196	0	0	1180	CTF1047383	UNITED IND	
3	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIRO	VANCHEMNY	TREAT	28-Sep-04	0	13,193	13,193	0	13,193	0	1181	PAH095770	AUTUMN	
1	SPENT CARBON/TOL	HAZ	D001, F005		ENVIRO	VANTOLNYCP	TREAT	28-Sep-04	0	1,770	1,770	0	1,770	0	1181	PAH095770	AUTUMN	
1	SPENT CARBON/CBZ	HAZ	D001, D021, F002		ENVIRO	VANVDMNYAF	TREAT	28-Sep-04	0	173	173	0	173	0	1181	PAH095770	AUTUMN	
28	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	28-Sep-04	0	8,006	8,006	8,006	0	0	1182	AR1442486	HAZMAT EN	
2	ACE/METHOXYPHCF	HAZ	F003, D001, D002, D003, F005		ENSCO	1419625	INCIN	28-Sep-04	0	512	512	512	0	0	1182	AR1442486	HAZMAT EN	
1	HAZ WASTE LIQUID	HAZ	F002		ENSCO	1481052	INCIN	28-Sep-04	0	379	379	379	0	0	1182	AR1442486	HAZMAT EN	
12	CHDA/CHDCL DEBRIS	HAZ			ENSCO	1481055	INCIN	28-Sep-04	0	1,968	1,968	1,968	0	0	1182	AR1442486	HAZMAT EN	
1	PHCF STILL BOTTOM	HAZ			ENSCO	1378189	INCIN	28-Sep-04	0	97	97	97	0	0	1182	AR1442486	HAZMAT EN	
															1183			
1	HAZ WASTE LIQUID	HAZ	F002, F003, F005, D021	CBZ / TOL / XYLENE	NORLITE	ST015103	INCIN	29-Sep-04	0	35,200	35,200	35,200	0	0	1184	NYG5260473	UNITED IND	
1	HAZ WASTE LIQUID	HAZ	F002, F003, F005, D021	CBZ / TOL / XYLENE	NORLITE	ST015103	INCIN	29-Sep-04	0	29,560	29,560	29,560	0	0	1185	NYG3367755	UNITED IND	
1	PETROLEUM NAPHTHA	NON			SAFETY CLN	105371715	TREAT	14-Oct-04	24						1186	TXR000050930	SAFETY CLN	
3	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIRO	CHEMNYWW	TREAT	28-Oct-04	0	10,240	10,240	0	0	10,240	1186	PAH095723	AUTUMN	
1	SPENT CARBON/TOL	HAZ	F005, F002, D021, D002, D001		ENVIRO	SOLVNYCP	TREAT	28-Oct-04	0	3,156	3,156	0	0	3,156	1186	PAH095723	AUTUMN	
4	SPENT CARBON/TOL	HAZ	F005, D001		ENVIRO	BUSPNYAF	TREAT	28-Oct-04	0	1,025	1,025	0	0	1,025	1186	PAH095723	AUTUMN	
1	BCF	HAZ	D002, D003		ENSCO	1434004	INCIN	2-Nov-04	0	29	29	29	0	0	97170	AR1497170	SJ TRANS	
12	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	2-Nov-04	0	2,774	2,774	2,774	0	0	97170	AR1497170	SJ TRANS	
4	METHANOL WASTE	HAZ	F003, D001		ENSCO	1309250	INCIN	2-Nov-04	0	1,398	1,398	1,398	0	0	97170	AR1497170	SJ TRANS	
1	SODIUM HYD WASTE	HAZ	D002, F003, F005, D021, F002		ENSCO	1393023	INCIN	2-Nov-04	0	234	234	234	0	0	97170	AR1497170	SJ TRANS	
1	MET/TOL	HAZ	F003, D001, F005	CHDCL	NORLITE	ST028503	INCIN	2-Nov-04	0	42,860	42,860	42,860	0	0	1187	NYG5261058	BFC	
28	SANDBLAST GRIT	NON			MICHIGAN WTP	022100WTS	TREAT	4-Nov-04	0	23,380	0	0	0	0	1188	MI9537268	FREEHOLD	
1	MET/TOL	HAZ	F003, D001, F005	CARBAESTER	NORLITE	ST028503	INCIN	12-Nov-04	0	44,680	44,680	44,680	0	0	1189	NYG5261097	BFC	
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIRO	CHEMNYWW	RECYC	12-Nov-04	0	9,730	9,730	0	0	9,730	1190	PAH095722	AUTUMN	
2	SPENT CARBON/TOL	HAZ	D001, F005		ENVIRO	BUSNYAF	RECYC	12-Nov-04	0	481	481	0	0	481	1190	PAH095722	AUTUMN	
21	ACE/TOL	HAZ	F003, D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	14-Dec-04	0	7,844	7,844	7,844	0	0	1191	NYG5258934	UNITED IND	
36	ACE/TOL	HAZ	F003, D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	14-Dec-04	0	12,322	12,322	12,322	0	0	1191	NYG5258934	UNITED IND	
2	DMF	HAZ	D001		NORLITE	ST010202	INCIN	14-Dec-04	0	678	678	678	0	0	1191	NYG5258934	UNITED IND	
22	PTSI RES	NON			BRIDGEPORT	0928DN4	INCIN	14-Dec-04	0	12,133	0	0	0	0	1192	CTF1068597	UNITED IND	
7	WASTE SOLID	NON			BRIDGEPORT	0927DN4	INCIN	14-Dec-04	0	2,601	0	0	0	0	1192	CTF1068597	UNITED IND	
4	NON REG PNBC	NON			NORLITE	ST021203	INCIN	14-Dec-04	0	1,522	0	0	0	0	1193	CTD021816889	UNITED IND	

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1	MET/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	2-Jan-04	0	40,420	40,420	40,420	0	0	1082	NYG3958029	BFC	
1	MET/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	5-Jan-04	0	41,240	41,240	41,240	0	0	1082	NYG3958704	BFC	
3	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY	INCIN	6-Jan-04	0	13,330	13,330	0	0	13,330	1083	PAG475080	AUTUMN	
1	SPENT CARBON	HAZ	D001, D021, F002		ENVIRO	VDMNY	INCIN	6-Jan-04	0	203	203	0	0	203	1083	PAG475080	AUTUMN	
1	MET/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	7-Jan-04	0	46,480	46,480	46,480	0	0	1084	NYG3958713	BFC	
1	MET/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	14-Jan-04	0	43,800	43,800	43,800	0	0	1085	NYG3958722	BFC	
1	MET/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	19-Jan-04	0	37,340	37,340	37,340	0	0	1086	NYG3958731	BFC	
1	THF/MTB	HAZ	D001		NORLITE	ST012403	INCIN	23-Jan-04	0	40,100	40,100	40,100	0	0	1087	NYG3958389	BFC	
1	HCL	HAZ	D002, D021, F002, F005		EQ RES	A59404OTS	INCIN	26-Jan-04	0	17,780	17,780	17,780	0	0	1088	MI9049694	FREE	
1	THF/MTB	HAZ	D001		NORLITE	ST012403	INCIN	27-Jan-04	0	46,080	46,080	46,080	0	0	1089	NYG3958398	BFC	
1	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY	TREAT	29-Jan-04	0	4,446	4,446	0	0	4,446	1090	PAG475082	AUTUMN	
2	SPENT CARBON	HAZ	D001, F005		ENVIRO	BUSPNY	TREAT	29-Jan-04	0	344	344	0	0	344	1090	PAG475082	AUTUMN	
1	THF/MTB	HAZ	D001		NORLITE	ST012403	INCIN	30-Jan-04	0	43,600	43,600	43,600	0	0	1091	NYG3958407	BFC	
1	HCL/THF	HAZ	D002, D021, F002, F005, D001		EQ RES	A59404	INCIN	2-Feb-04	0	27,240	27,240	27,240	0	0	1092	MI9049638	FREE	
1	THF/MTB	HAZ	D001		NORLITE	ST012403	INCIN	3-Feb-04	0	46,960	46,960	46,960	0	0	1093	NYG3958416	BFC	
1	THF/MTB	HAZ	D001		NORLITE	ST012403	INCIN	4-Feb-04	0	46,540	46,540	46,540	0	0	1094	NYG3958425	BFC	
1	ODCB/HEP	HAZ	D001, F002, D021, F005		NORLITE	ST026003	INCIN	5-Feb-04	0	200	200	200	0	0	1095	NYG4335255	UNITED IND	
4	ACE/TOL	HAZ	D001		NORLITE	ST004502	INCIN	5-Feb-04	0	1,200	1,200	1,200	0	0	1095	NYG4335255	UNITED IND	
16	ODCB/HEP	HAZ	D001, F002, D021, F005		NORLITE	ST026003	INCIN	5-Feb-04	0	4,800	4,800	4,800	0	0	1095	NYG4335255	UNITED IND	
33	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	5-Feb-04	0	9,900	9,900	9,900	0	0	1095	NYG4335255	UNITED IND	
2	NON BOH	NON			NORLITE	ST039703	INCIN	5-Feb-04	0	400	0	400	0	0	1096	CTD021816889	UNITED IND	
3	HCL/TOL	HAZ	D002, F002, F003, F005, D021, D001		BRIDGEPORT	2258ESTD2L	RECYC	5-Feb-04	0	900	900	900	0		1097	CTF1144398	UNITED IND	
2	NON REG SOLIDS	NON			BRIDGEPORT	0927DN4	RECYC	5-Feb-04	0	600	0	0	0	0	1097	CTF1144398	UNITED IND	
3	NON REG PTSI	NON			BRIDGEPORT	0928DN4	RECYC	4-Feb-05	0	1,500	0	0	0	0	1097	CTF1144398	UNITED IND	
1	HCL/TOL	HAZ	D002		BRIDGEPORT	2258ESTD2L	RECYC	4-Feb-05	0	350	350	350	0		1097	CTF1144398	UNITED IND	
12	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	5-Feb-04	0	360	360	360	0	0	1098	AR1442220	FREE	
1	IBCF	HAZ	D002, D003, D001		ENSCO	1453346	INCIN	5-Feb-04	0	200	200	200	0	0	1098	AR1442220	FREE	
2	NON REG FC102E/B	NON			ENSCO	1453335	INCIN	5-Feb-04	0	600	0	0	0	0	1098	AR1442220	FREE	
1	NON REG 4MET	NON			ENSCO	1453344	INCIN	5-Feb-04	0	100	0	0	0	0	1098	AR1442220	FREE	
1	ETHYLAMINE/AQU SOL	HAZ	D001, D002		ENSCO	1449310	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	THCL/BUTYRIC ACID	HAZ	D002		ENSCO	11589	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548	HAZMAT EN	
1	METHANESULFONYL	HAZ	D002		ENSCO	90784	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	METHANESULFONYL	HAZ	D002		ENSCO	90784	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	METHANESULFONYL	HAZ	D002		ENSCO	1449310	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	METHANESULFONYL	HAZ	D002		ENSCO	11589	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	

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1	BCL/TMTC	HAZ	D001, D002, U008, FF05		ENSCO	ERG132	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548	HAZMAT EN	
1	METHYLMORPHOLINE	HAZ	D001, D002		ENSCO	ERG132	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	PHENOL	HAZ	U188		ENSCO	ERG153	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	HYDRAZINE HYDRATE	HAZ	D002, U133		ENSCO	ERG153	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548	HAZMAT EN	
1	TOL	HAZ	D001, F005		ENSCO	ERG133	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548	HAZMAT EN	
1	HYDROFLUORIC ACID	HAZ	D002		ENSCO	ERG157	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	1CHLOR 2PRO/POH	HAZ	D001, F003, F005, P102, F002		ENSCO	ERG131	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548	HAZMAT EN	
1	BZCL	HAZ	D002, P028		ENSCO	PLC3-20	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	NBI/OCT SOL ISOCY	HAZ	D001		ENSCO	PLC3-25	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	2FUROYL CL	HAZ	D002		ENSCO	PLC3-26	INCIN	5-Feb-04	0	100	100	100	0	0	1099	AR1363548	HAZMAT EN	
1	TMTC	HAZ	D002		ENSCO	PLC3-28	INCIN	5-Feb-04	0	10	10	10	0	0	1099	AR1363548	HAZMAT EN	
1	IBCF	HAZ	D001, D002, D003		ENSCO	PLC3-29	INCIN	5-Feb-04	0	50	50	50	0	0	1099	AR1363548	HAZMAT EN	
1	PALLADIUM/CARB	NON			ENSCO	PLC3-1	INCIN	5-Feb-04	0	10	0	0	0	0	1099	AR1363548	HAZMAT EN	
1	POT TBUT / DI CYC OCT	NON			ENSCO	PLC3-3	INCIN	5-Feb-04	0	10	0	0	0	0	1099	AR1363548	HAZMAT EN	
1	DIMETHOXYBENZENE, P	NON			ENSCO	PLC3-11	INCIN	5-Feb-04	0	100	0	0	0	0	1099	AR1363548	HAZMAT EN	
1	VALINE/METHOXYPH	NON			ENSCO	PLC3-12	INCIN	5-Feb-04	0	100	0	0	0	0	1099	AR1363548	HAZMAT EN	
1	STEARIC / ADIPIC ACID	NON			ENSCO	PLC3-13	INCIN	5-Feb-04	0	100	0	0	0	0	1099	AR1363548	HAZMAT EN	
1	DMF/DCHLOROANALIN	NON			ENSCO	PLC3-18	INCIN	5-Feb-04	0	100	0	0	0	0	1099	AR1363548	HAZMAT EN	
2	PHCF / CHPROPCF	NON			ENSCO	PLC3-21	INCIN	5-Feb-04	0	10	0	0	0	0	1099	AR1363548	HAZMAT EN	
1	ACL/PALMIDIC CL	NON			ENSCO	PLC3-22	INCIN	5-Feb-04	0	100	0	0	0	0	1099	AR1363548	HAZMAT EN	
1	ETHYLHEXYL CF	NON			ENSCO	PLC3-27	INCIN	5-Feb-04	0	50	0	0	0	0	1099	AR1363548	HAZMAT EN	
1	NON REG SOLIDS	NON			ENSCO	PLC3-24	INCIN	5-Feb-04	0	10	0	0	0	0	1099	AR1363548	HAZMAT EN	
1	THF/MTB	HAZ	D001		NORLITE	ST012403	INCIN	6-Feb-04	0	41,960	41,960	41,960	0	0	1100	NYG3958434	BFC	
1	HCL/THF	HAZ	D002, D021, F002, F005, D001		EQ RES	A59404	INCIN	5-Feb-04	0	40,100	40,100	40,100	0	0	1101	MI9049639	FREE	
1	PETROLEUM WASTE	NON			SAFETY CLN	10827JF	INCIN	5-Feb-04	0	156	0	0	0	0	1102	TXR000050930	SAFETY CLN	
1	HCL/THF	HAZ	D002, D021, F002, F005		EQ RES	A59404	INCIN	6-Feb-04	0	38,560	38,560	38,560	0	0	1103	MI9049640	FREE	
1	THF/MTB	HAZ	D001		NORLITE	ST012403	INCIN	10-Feb-04	0	45,100	45,100	45,100	0	0	1104	NYG3958353	BFC	
2	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY	TREAT	12-Feb-04	0	9,740	9,740	0	0	9,740	1105	PAG475083	AUTUMN	
1	SPENT CARBON	HAZ	D001, D021, F002		ENVIRO	VDMNY	TREAT	12-Feb-04	0	185	185	0	0	185	1105	PAG475083	AUTUMN	
5	SPENT CARBON	HAZ	D001, F005		ENVIRO	BUSPNY	TREAT	12-Feb-04	0	805	805	0	0	805	1105	PAG475083	AUTUMN	
1	THF/MTB	HAZ	D001		NORLITE	ST012403	INCIN	13-Feb-04	0	33,900	33,900	33,900	0	0	1106	NYG3958344	BFC	
1	THF/MTB	HAZ	D001		NORLITE	ST012403	INCIN	17-Feb-04	0	47,660	47,660	47,660	0	0	1107	NYG3958326	BFC	
1	THF/MTB	HAZ	D001		NORLITE	ST012403	INCIN	20-Feb-04	0	36,000	36,000	36,000	0	0	1108	NYG3958335	BFC	
1	LIQUID WASTE	HAZ	F002		CECOS	12038	TREAT	23-Feb-04	5,600	47,840	47,840	0	47,840	0	1109	NYG4335732	BFC	
1	LIQUID WASTE	HAZ	F002		CECOS	12038	TREAT	23-Feb-04	5,174	44,140	44,140	0	44,140	0	1110	NYG4335714	BFC	
1	LIQUID WASTE	HAZ	F002		CECOS	12038	TREAT	24-Feb-04	5,500	47,240	47,240	0	47,240	0	1111	NYG4335741	BFC	
1	THF/MTB	HAZ	D001		NORLITE	ST012403	INCIN	24-Feb-04	0	46,080	46,080	46,080			1112	NYG3958317	BFC	
4	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY	TREAT	25-Feb-04	0	17,740	17,740	0		17,740	1113	PAG475084	AUTUMN	
1	LIQUID WASTE	HAZ	F002, F003, F005, D021		NORLITE	ST015103	INCIN	26-Feb-04	0	34,780	34,780	34,780	0	0	1114	NYG4335813	UNITED IND	
1	LIQUID WASTE	HAZ	F002, F003, F005, D021		NORLITE	ST015103	INCIN	26-Feb-04	0	12,560	12,560	12,560	0	0	1115	NYG4335804	UNITED IND	
1	LIQUID WASTE	HAZ	F002		CECOS	12038	TREAT	27-Feb-04	5,000	23,420	23,420	0	23,420	0	1116	NYG4335723	BFC	
1	LIQUID WASTE	HAZ	F002		CECOS	12038	TREAT	27-Feb-04	5,000	39,800	39,800	0	39,800	0	1117	NYG2772765	BFC	
9	NON REG PTSI	NON			BRIDGEPORT	0928DN4	INCIN	10-Mar-04	0	4,597	0	0	0	0	1118	CTF1084281	UNITED IND	

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[illegible]

	TONS	DOLLARS
total tons generated	685.76	
tons not subject to assessment	23.4	
ton subject to assessment	662.36	
tons incinerated	561.1	\$5,050.30
tons wwt	101.2	\$1,619.52
total assessment due		\$6,669.82

[illegible]

TOTALS	0.00	0.00	0.00	0.00	0.00
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2004 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax.

Rev

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER
1	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	2-Apr-04	0	44,320	44,320	44,320	0	0	1130	NYG4336515	BFC
1	METHONAL/THF	HAZ	F003	Z-Val	CECOS	12342AAF	TREAT	5-Apr-04	0	40,980	40,980	0	40,980	0	1131	NYG4336767	BFC
1	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	6-Apr-04	0	42,920	42,920	42,920	0	0	1132	NYG4338009	BFC
1	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	13-Apr-04	0	45,740	45,740	45,740	0	0	1133	NYG4337991	BFC
1	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	16-Apr-04	0	43,580	43,580	43,580	0	0	1134	NYG4337982	BFC
1	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	20-Apr-04	0	41,200	41,200	41,200	0	0	1135	NYG4337973	BFC
1	PETROLEUM WASTE	NON			SAFETY CLN		INCIN	26-Apr-04	24	0	0		0	0	1136	NYD984556541	SAFETY CLN
1	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	30-Apr-04	0	39,660	39,660	39,660	0	0	1137	NYG4337964	BFC
1	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	5-May-04	0	40,940	40,940	40,940	0	0	1138	NYG4334022	BFC
1	THF/MTB	HAZ	D001, F002, D021, F003	Z-Val	NORLITE	ST012403	INCIN	7-May-04	0	38,400	38,400	38,400	0	0	1139	NYG2884419	BFC
2	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY WW	RECYCLE	11-May-04	0	5,948	5,948	0	0	5,948	1140	PAH095754	AUTUMN
3	MTBE/THF	HAZ	D001	Z-Val	ENVIRO	TETRNY CP	RECYCLE	11-May-04	0	5,735	5,735	0	0	5,735	1140	PAH095754	AUTUMN
2	SPENT CARBON	HAZ	D001, D021, F002		ENVIRO	VDMNY AF	RECYCLE	11-May-04	0	360	360	0	0	360	1140	PAH095754	AUTUMN
5	SPENT CARBON	HAZ	D001, F005		ENVIRO	BUSPNY AF	RECYCLE	11-May-04	0	900	900	0	0	900	1140	PAH095754	AUTUMN
1	THF/MTB	HAZ	D001, F002, D021, F003	Z-Val	NORLITE	ST012403	INCIN	7-May-04	0	29,580	29,580	29,580	0	0	1141	NYG2884401	BFC
1	METH/TOL	HAZ	F003, D001, F005	FC-102	NORLITE	ST028503	INCIN	11-May-04	0	43,620	43,620	43,620	0	0	1142	NYG5261013	BFC
1	METH/TOL	HAZ	F003, D001, F005	FC-102	NORLITE	ST028503	INCIN	14-May-04	0	44,100	44,100	44,110	0	0	1143	NYG5261022	BFC
1	METH/TOL	HAZ	F003, D001, F005	FC-102	NORLITE	ST028503	INCIN	18-May-04	0	43,160	43,160	43,160	0	0	1144	NYG5261031	BFC
2	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY WW	RECYCLE	20-May-04	0	7,444	7,444	0	0	7,444	1145	PAG475411	AUTUMN
1	SPENT CARBON	HAZ	D001, F005		ENVIRO	BUSPNY AF	RECYCLE	20-May-04	0	180	180	0	0	180	1145	PAG475411	AUTUMN
1	METH/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	21-May-04	0	40,660	40,660	40,660	0	0	1146	NYG5261049	BFC
1	ACE/TOL	HAZ	F003, D001, F005, D022, F002, D021	FC-102	NORLITE	ST010803	INCIN	25-May-04	0	43,780	43,780	43,780	0	0	1147	NYG5261409	BFC
1	DMF	HAZ	D001	ACL	NORLITE	ST010202	INCIN	26-May-04	0	11,180	11,180	11,180	0	0	1148	NYG5261382	BFC
44	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	1-Jun-04	0	10,895	10,895	10,895	0	0	1149	AR1294466	HAZMAT EN
6	HCL WASTE	HAZ	F002, F005, D021		ENSCO	1450506	INCIN	1-Jun-04	0	2,586	2,586	2,586	0	0	1149	AR1294466	HAZMAT EN
1	BUT/XILOL	HAZ	D001		ENSCO	1449673	INCIN	1-Jun-04	0	20	20	20	0	0	1150	AR1294467	HAZMAT EN
1	PHOS ACID	HAZ	D002		ENSCO	1449373	INCIN	1-Jun-04	0	10	10	10	0	0	1150	AR1294467	HAZMAT EN
1	AEROSOLS	HAZ	D001		ENSCO	1449373	INCIN	1-Jun-04	0	1	1	1	0	0	1150	AR1294467	HAZMAT EN
1	DISINFECTANTS	HAZ	D002		ENSCO	1449373	INCIN	1-Jun-04	0	40	40	40	0	0	1150	AR1294467	HAZMAT EN
1	ETHYL CENT	HAZ			ENSCO	1449373	INCIN	1-Jun-04	0	5	5	5	0	0	1150	AR1294467	HAZMAT EN
1	TOXIC LIQUIDS	HAZ			ENSCO	1449373	INCIN	1-Jun-04	0	15	15	15	0	0	1150	AR1294467	HAZMAT EN
1	NON REG	NON			BRIDGEPORT	092DN4	INCIN	1-Jun-04	0	380	0	0	0	0	1151	CTF1084285	UNITED IND
19	PTSI RES	NON			BRIDGEPORT	0928ON4	INCIN	1-Jun-04	0	9,740	0	0	0	0	1151	CTF1084285	UNITED IND

2004 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax. Rev																	
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROC GEN	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER
11	ACE/TOL	HAZ	F003, D001, F002, F005, D021, D022		NORLITE	ST004502	INCIN	1-Jun-04	0	4,398	4,398	4,398	0	0	1152	NYG5261463	UNITED IND
1	TOL/METH	HAZ	D001, F005, F003		NORLITE	ST011303	INCIN	1-Jun-04	0	412	412	412	0	0	1152	NYG5261463	UNITED IND
9	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	1-Jun-04	0	3,283	3,283	3,283	0	0	1152	NYG5261463	UNITED IND
2	NON WASTE OIL	NON			NORLITE	ST004902	INCIN	1-Jun-04	0	821	0	0	0	0	1153	CTD021816889	UNITED IND
1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST010803	INCIN	1-Jun-04	0	42,800	42,800	42,800	0	0	1154	NYG5261418	BFC
1	NAOH/TOL	HAZ	F005, F003, D001, D002, F021, F002	NDI/NDA Inc	BRIDGEPORT		INCIN	4-Jun-04	0	44,800	44,800	44,800	0	0	1155	CTF1084286	UNITED IND
1	NAOH/TOL	HAZ	F005, F003, D001, D002, F021, F002	NDI/NDA Inc	BRIDGEPORT		INCIN	7-Jun-04	0	45,440	45,440	45,440	0	0	1156	CTF1084287	UNITED IND
1	NAOH/TOL	HAZ	F005, F003, D001, D002, F021, F002	NDI/NDA Inc	BRIDGEPORT	1598FD2HFB	INCIN	8-Jun-04	0	30,000	30,000	30,000	0	0	1157	CTF0946828	UNITED IND
1	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY-VWV	Recycle	7-Jun-04	0	4,030	4,030	0	0	4,030	1158	PAG475410	BFC

854,063843,122777,55540,98024,597

427.0315421.561388.777520.4912.2985

2004 HAZARDOUS WASTE REPORT WORKSHEET - 3rd quarter tax

Rev																		
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVER lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
4	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY-WW	TREAT	1-Jul-04	0	14,080	14,080	0	0	14,080	1159	PAG475406	AUTUMN	
2	SPENT CARBON	HAZ			ENVIRO	CHEMNY-WW	TREAT	1-Jul-04	0	339	339	0	0	339	1159	PAG475406	AUTUMN	
1	ACE/TOL	HAZ	FOO3, D001, F005, D022, F002, D021	NDI	NORLITE	SAN218211	INCIN	2-Jul-04	0	44,160	44,160	44,160	0	0	1160	NYG5261427	BFC	
1	WASTE SOLID	HAZ	F005, F003, F002	NDI/NDA Inc	ONYX ENV	655907	INCIN	9-Jul-04	0	7,100	7,100	7,100	0	0	1161	IL9703838	HAZMAT EN	
1	WASTE SOLID	HAZ	F005, F003, F002	NDI/NDA Inc	ONYX ENV	655907	INCIN	14-Jul-04	0	3,620	3,620	3,620	0	0	1162	IL10961290	BFC	
26	WASTE SOLID	HAZ	F005, F003, F002		ENSCO	1378178	INCIN	14-Jul-04	0	8,234	8,234	8,234	0	0	1163	AR1224827	HAZMAT EN	
3	ACL	HAZ	D003		ENSCO	1393044	INCIN	14-Jul-04	0	577	577	577	0	0	1163	AR1224827	HAZMAT EN	
9	ACE/PHCF	HAZ	F003, D001, D002, D003, F005		ENSCO	1434044	INCIN	14-Jul-04	0	3,415	3,415	3,415	0	0	1163	AR1224827	HAZMAT EN	
10	NAOH	HAZ	D002		ENSCO	1393023	INCIN	14-Jul-04	0	4,290	4,290	4,290	0	0	1163	AR1224827	HAZMAT EN	
1	NON REG WATER	NON		PHCF	CECOS	13599	TREAT	16-Jul-04	0	17,700	0	0	0	0	1164	NYR000045724	BFC	
43	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	14-Jul-04	0	14,590	14,590	14,590	0	0	1165	NYG5261193	UNITED IND	
8	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	14-Jul-04	0	3,106	3,106	3,106	0	0	1165	NYG5261193	UNITED IND	
36	TOL/METH	HAZ	D001, F005, F003		NORLITE	ST0113-03	INCIN	14-Jul-04	0	16,236	16,236	16,236	0	0	1165	NYG5261193	UNITED IND	
1	ACE/TOL	HAZ	F003, D001, F002, F005, D021, D022	NDI	NORLITE	ST010803	INCIN	16-Jul-04	0	19,920	19,920	19,920	0	0	1166	NYG2884374	UNITED IND	
1	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNYWW	TREAT	19-Jul-04	0	4,190	4,190	0	4,190	0	1167	PAG475407	AUTUMN	
1	PETROLEUM WASTE	NON			SAFETY CLN	NY10827JF	INCIN	28-Jul-04	21	0	0	0	0	0	1168	TXR000050930	SAFETY CLN	
3	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNYWW	TREAT	2-Aug-04	0	12,410	12,410	0	12,410	0	1169	PAG475408	AUTUMN	
1	SPENT CARBON	HAZ	D001, D021, F002		ENVIRO	VDMNYAF	TREAT	2-Aug-04	0	182	182	0	182	0	1169	PAG475408	AUTUMN	
1	TOL/DEA	HAZ	D001, F005		NORLITE	SAN218296	INCIN	5-Aug-04	0	35,120	35,120	35,120	0	0	1170	NYG5261931	BFC	
1	TOL/DEA	HAZ	D001, F005		NORLITE	SAN218297	INCIN	6-Aug-04	0	34,360	34,360	34,360	0	0	1171	NYG5261976	BFC	
1	TOL/DEA	HAZ	D001, F005		NORLITE	ST014802	INCIN	24-Aug-04	0	35,720	35,720	35,720	0	0	1172	NYG5261958	BFC	
1	UNIV WASTE LAMPS	NON			BETHLEHEM	12868		25-Aug-04	0	300	0	0	0	0	1173	NJD054126164	FREEHOLD	
2	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY-WW	TREAT	2-Sep-04	0	9,800	9,800	0	9,800	0	1174	PAG475409	AUTUMN	
3	SPENT CARBON	HAZ	F005		ENVIRO	TOLNY-CP	TREAT	2-Sep-04	0	6,502	6,502	0	6,502	0	1174	PAG475409	AUTUMN	
1	SPENT CARBON	HAZ	D001, D021, F002		ENVIRO	VDMNY-AF	TREAT	2-Sep-04	0	196	196	0	196	0	1174	PAG475409	AUTUMN	
1	SPENT CARBON	HAZ	D001, F005		ENVIRO	BUSPNY-AF	TREAT	2-Sep-04	0	201	201	0	201	0	1174	PAG475409	AUTUMN	
1	TOL/DEA	HAZ	F005		NORLITE	ST014802	INCIN	14-Sep-04	0	37,280	37,280	37,280	0	0	1175	NYG5261949	BFC	
1	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	VANCHEMNY	TREAT	9-Sep-04	0	4,530	4,530	0	4,530	0	1176	PAH095765	AUTUMN	
5	SPENT CARBON	HAZ	D001, F005		ENVIRO	VANTOLNYCP	TREAT	9-Sep-04	0	13,275	13,275	0	13,275	0	1176	PAH095765	AUTUMN	
24	NON REG PTSI	HAZ	CRO5		BRIDGEPORT	0928DN4	INCIN	22-Sep-04	0	13,618	13,618	13,618	0	0	1177	CTF1047385	UNITED IND	
8	NON REG HAZ SOLIDS	HAZ	CRO5		BRIDGEPORT	0927DN4	INCIN	22-Sep-04	0	2,114	2,114	2,114	0	0	1177	CTF1047385	UNITED IND	
5	NON REG BOH	NON			NORLITE	ST039703	TREAT	20-Sep-04	0	2,007	0	0	0	0	1178	CTD021816889	UNITED IND	
9	ACE/TOL	HAZ	D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	20-Sep-04	0	3,575	3,575	3,575	0	0	1179	NYG5260302	UNITED IND	
31	ACE/TOL	HAZ	D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	20-Sep-04	0	10,512	10,512	10,512	0	0	1179	NYG5260302	UNITED IND	
3	DMF	HAZ	D001		NORLITE	ST010202	INCIN	20-Sep-04	0	2,007	2,007	2,007	0	0	1179	NYG5260302	UNITED IND	
5	HCL/TOL	HAZ	F005, F003, D001, D002, F002, D021		BRIDGEPORT	2258ESTD2L	INCIN	22-Sep-04	0	2,196	2,196	2,196	0	0	1180	CTF1047383	UNITED IND	
3	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIRO	VANCHEMNY	TREAT	28-Sep-04	0	13,193	13,193	0	13,193	0	1181	PAH095770	AUTUMN	
1	SPENT CARBON/TOL	HAZ	D001, F005		ENVIRO	VANTOLNYCP	TREAT	28-Sep-04	0	1,770	1,770	0	1,770	0	1181	PAH095770	AUTUMN	
1	SPENT CARBON/CBZ	HAZ	D001, D021, F002		ENVIRO	VANVDMNYAF	TREAT	28-Sep-04	0	173	173	0	173	0	1181	PAH095770	AUTUMN	
28	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	28-Sep-04	0	8,006	8,006	8,006	0	0	1182	AR1442486	HAZMAT EN	

2004 HAZARDOUS WASTE REPORT WORKSHEET - 3rd quarter tax																		
Rev																		
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVER lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
2	ACE/METHOXYPHCF	HAZ	F003, D001, D002, D003, F005		ENSCO	1419625	INCIN	28-Sep-04	0	512	512	512	0	0	1182	AR1442486	HAZMAT EN	
1	HAZ WASTE LIQUID	HAZ	F002		ENSCO	1481052	INCIN	28-Sep-04	0	379	379	379	0	0	1182	AR1442486	HAZMAT EN	
12	CHDA/CHDCL DEBRIS	HAZ			ENSCO	1481055	INCIN	28-Sep-04	0	1,968	1,968	1,968	0	0	1182	AR1442486	HAZMAT EN	
1	PHCF STILL BOTTOM	HAZ			ENSCO	1378189	INCIN	28-Sep-04	0	97	97	97	0	0	1182	AR1442486	HAZMAT EN	
										413,560	393,553	312,712	66,422	14,419				
										207	196.8	156.4	33.2	7.2				

2004 HAZARDOUS WASTE REPORT WORKSHEET																	
Rev																	
WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
PETROLEUM NAPHTHA	NON			SAFETY CLN	105371715	TREAT	14-Oct-04	24						1186	TXR000050930	SAFETY CLN	
SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIRO	CHEMNYWW	TREAT	28-Oct-04	0	10,240	10,240	0	0	10,240	1186	PAH095723	AUTUMN	
SPENT CARBON/TOL	HAZ	F005, F002, D021, D002, D001		ENVIRO	SOLVNYCP	TREAT	28-Oct-04	0	3,156	3,156	0	0	3,156	1186	PAH095723	AUTUMN	
SPENT CARBON/TOL	HAZ	F005, D001		ENVIRO	BUSPNYAF	TREAT	28-Oct-04	0	1,025	1,025	0	0	1,025	1186	PAH095723	AUTUMN	
BCF	HAZ	D002, D003		ENSCO	1434004	INCIN	2-Nov-04	0	29	29	29	0	0	97170	AR1497170	SJ TRANS	
WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	2-Nov-04	0	2,774	2,774	2,774	0	0	97170	AR1497170	SJ TRANS	
METHANOL WASTE	HAZ	F003, D001		ENSCO	1309250	INCIN	2-Nov-04	0	1,398	1,398	1,398	0	0	97170	AR1497170	SJ TRANS	
SODIUM HYD WASTE	HAZ	D002, F003, F005, D021, F002		ENSCO	1393023	INCIN	2-Nov-04	0	234	234	234	0	0	97170	AR1497170	SJ TRANS	
MET/TOL	HAZ	F003, D001, F005	CHDCL	NORLITE	ST028503	INCIN	2-Nov-04	0	42,820	42,820	42,820	0	0	1187	NYG5261058	BFC	
SANDBLAST GRIT	NON			MICHIGAN WTP	022100WTS	TREAT	4-Nov-04	0	23,380	0	0	0	0	1188	MI9537268	FREEHOLD	
MET/TOL	HAZ	F003, D001, F005	CARBAESTE R	NORLITE	ST028503	INCIN	12-Nov-04	0	44,680	44,680	44,680	0	0	1189	NYG5261097	BFC	
SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIRO	CHEMNYWW	RECYC	12-Nov-04	0	9,730	9,730	0	0	9,730	1190	PAH095722	AUTUMN	
SPENT CARBON/TOL	HAZ	D001, F005		ENVIRO	BUSNYAF	RECYC	12-Nov-04	0	481	481	0	0	481	1190	PAH095722	AUTUMN	
ACE/TOL	HAZ	F003, D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	14-Dec-04	0	7,844	7,844	7,844	0	0	1191	NYG5258934	UNITED IND	
ACE/TOL	HAZ	F003, D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	14-Dec-04	0	12,322	12,322	12,322	0	0	1191	NYG5258934	UNITED IND	
DMF	HAZ	D001		NORLITE	ST010202	INCIN	14-Dec-04	0	678	678	678	0	0	1191	NYG5258934	UNITED IND	
PTSI RES	NON			BRIDGEPORT	0928DN4	INCIN	14-Dec-04	0	12,133	0	0	0	0	1192	CTF1068597	UNITED IND	
WASTE SOLID	NON			BRIDGEPORT	0927DN4	INCIN	14-Dec-04	0	2,601	0	0	0	0	1192	CTF1068597	UNITED IND	
NON REG PNBC	NON			NORLITE	ST021203	INCIN	14-Dec-04	0	1,522	0	0	0	0	1193	CTD021816889	UNITED IND	
NON REG PNBC	NON			NORLITE	ST021203	INCIN	14-Dec-04	0	1,626	0	0	0	0	1193	CTD021816889	UNITED IND	
WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	15-Dec-04	0	1,877	1,877	1,877	0	0	1194	AR1497212	HAZMAT EN	
ACE/METHOXYPHCF	HAZ	F003, D001, D002, D003		ENSCO	1419625	INCIN	15-Dec-04	0	670	670	670	0	0	1194	AR1497212	HAZMAT EN	
SODIUM HYD WASTE	HAZ	D002, D005		ENSCO	1453325	INCIN	15-Dec-04	0	454	454	454	0	0	1194	AR1497212	HAZMAT EN	
1,6 HBCF WASTE	HAZ	D002, D003		ENSCO	1481077	INCIN	15-Dec-04	0	904	904	904	0	0	1194	AR1497212	HAZMAT EN	
1,5 NDI WASTE	HAZ	D003		ENSCO	1481086	INCIN	15-Dec-04	0	52	52	52	0	0	1194	AR1497212	HAZMAT EN	
NITRIC ACID	HAZ	D002		ENSCO	1481087	INCIN	15-Dec-04	0	1,208	1,208	1,208	0	0	1194	AR1497212	HAZMAT EN	
ACL WASTE	HAZ	D003		ENSCO	1393044	INCIN	15-Dec-04	0	7,555	7,555	7,555	0	0	1194	AR1497212	HAZMAT EN	
GCPCF WASTE	HAZ	D003		ENSCO	1481084	INCIN	15-Dec-04	0	1,329	1,329	1,329	0	0	1194	AR1497212	HAZMAT EN	
3 CHLOPRPANOL WST	HAZ			ENSCO	1481083	INCIN	15-Dec-04	0	356	0	0	0	0	1194	AR1497212	HAZMAT EN	
SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIROTROL	CHEMNYWW	TREAT	21-Dec-04	0	7,300	7,300	0	0	7,300	1195	PAH095467	WEAVER TRANS	
SPENT CARBON/TOL	HAZ	F005		ENVIROTROL	TOLNY-CP	TREAT	21-Dec-04	0	209	209	0	0	209	1195	PAH095467	WEAVER TRANS	
SPENT CARBON/METH	HAZ	F002		ENVIROTROL	GASNYCP	TREAT	21-Dec-04	0	399	399	0	0	399	1195	PAH095467	WEAVER TRANS	
MET/TOL	HAZ	F003, D001, F005		NORLITE	ST028503	INCIN	29-Dec-04	0	15,020	15,020	15,020	0	0	1196	NYG5261076	BFC	
ACL WASTE	HAZ	D003		ENSCO	1393044	INCIN	21-Dec-04	0	4,082	4,082	4,082	0	0	1197	AR1497217	TRIAD	
WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	21-Dec-04	0	213	213	213	0	0	1197	AR1497217	TRIAD	
PCF/POH	HAZ	D001, D002, D003		ENSCO	1328263	INCIN	21-Dec-04	0	689	689	689	0	0	1197	AR1497217	TRIAD	
AMIDE CHLORIDE WST	HAZ	D003		ENSCO	1393044	INCIN	21-Dec-04	0	69	69	69	0	0	1197	AR1497217	TRIAD	
				ENSCO			22-Dec-04							1198			
									179,441	146,901	0	32,540					

	TONS	DOLLARS
total tons generated		
tons not subjet to assessment		
ton subject to assessment		
tons incinerated		\$0.00
tons wwt		\$0.00
total assessment due		\$0.00

2004 HAZARDOUS WASTE REPORT WORKSHEET														
QTY	WASTE CATEGORY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs
1	A-1	MET/TOL	HAZ	F003, D001, F005	CARBAESTER	NORLITE	ST028503	INCIN	12-Nov-04	44,680	44,680	44,680	0	0
1	A-1	MET/TOL	HAZ	F003, D001, F005	CHDCL	NORLITE	ST028503	INCIN	2-Nov-04	42,860	42,860	42,860	0	0
												87,540	pounds	
												43.77	tons	
4	A-2	ODCB/HEP	HAZ	D001	CHDI	NORLITE	ST004502	INCIN	10-Mar-04	1,916	1,916	1,916	0	0
1	A-2	ODCB/HEP	HAZ	D001	CHDI	NORLITE	ST021803	INCIN	10-Mar-04	324	324	324	0	0
1	A-2	ODCB/HEP	HAZ	D001, F002, D021, F005	CHDI	NORLITE	ST026003	INCIN	19-Mar-04	32,800	32,800	33,080	0	0
1	A-2	ODCB/HEP	HAZ	D001, F002, D021, F005	NDI	NORLITE	ST026003	INCIN	5-Feb-04	200	200	200	0	0
16	A-2	ODCB/HEP	HAZ	D001, F002, D021, F005	NDI	NORLITE	ST026003	INCIN	5-Feb-04	4,800	4,800	4,800	0	0
												40,320	pounds	
												20.16	tons	
1	A-3	MET/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	2-Jan-04	40,420	40,420	40,420	0	0
1	A-3	MET/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	5-Jan-04	41,240	41,240	41,240	0	0
1	A-3	MET/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	7-Jan-04	46,480	46,480	46,480	0	0
1	A-3	MET/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	14-Jan-04	43,800	43,800	43,800	0	0
1	A-3	MET/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	19-Jan-04	37,340	37,340	37,340	0	0
1	A-3	METH/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	21-May-04	40,660	40,660	40,660	0	0
1	A-3	METH/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	11-May-04	43,620	43,620	43,620	0	0
1	A-3	METH/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	14-May-04	44,100	44,100	44,100	0	0
1	A-3	METH/TOL	HAZ	D001, F003, F005	FC-102	NORLITE	ST028503	INCIN	18-May-04	43,160	43,160	43,160	0	0
1	A-3	MET/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	29-Dec-04	15,020	15,020	15,020	0	0
												395,840	pounds	
												197.92	tons	
1	A-4	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	SAN218296	INCIN	5-Aug-04	35,120	35,120	35,120	0	0
1	A-4	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	SAN218297	INCIN	6-Aug-04	34,360	34,360	34,360	0	0
1	A-4	TOL/DEA	HAZ	D001, F005	HEGCI	NORLITE	ST014802	INCIN	14-Sep-04	37,360	37,360	37,360	0	0
1	A-4	TOL/DEA	HAZ	D001, F005	HEP/ACL/ HEGCL	NORLITE	ST014802	INCIN	24-Aug-04	35,720	35,720	35,720	0	0
												142,560	pounds	

2004 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE CATEGORY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs

71.28 tons

1	A-5	THF/MTB	HAZ	D001	L-Val	NORLITE	ST012403	INCIN	23-Jan-04	40,100	40,100	40,100	0	0
1	A-5	THF/MTB	HAZ	D001	L-Val	NORLITE	ST012403	INCIN	27-Jan-04	46,080	46,080	46,080	0	0
1	A-5	THF/MTB	HAZ	D001	L-Val	NORLITE	ST012403	INCIN	30-Jan-04	43,600	43,600	43,600	0	0
1	A-5	THF/MTB	HAZ	D001	L-Val	NORLITE	ST012403	INCIN	3-Feb-04	46,960	46,960	46,960	0	0
1	A-5	THF/MTB	HAZ	D001	L-Val	NORLITE	ST012403	INCIN	4-Feb-04	46,540	46,540	46,540	0	0
1	A-5	THF/MTB	HAZ	D001	L-Val	NORLITE	ST012403	INCIN	6-Feb-04	41,960	41,960	41,960	0	0
1	A-5	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	10-Feb-04	45,100	45,100	45,100	0	0
1	A-5	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	13-Feb-04	33,900	33,900	33,900	0	0
1	A-5	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	17-Feb-04	47,660	47,660	47,660	0	0
1	A-5	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	20-Feb-04	36,000	36,000	36,000	0	0
1	A-5	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	24-Feb-04	46,080	46,080	46,080		
1	A-5	THF/MTB	HAZ	D001	Z-Val	NORLITE	ST012403	INCIN	10-Mar-04	419	419	419	0	0
												474,399	pounds	
												237.20	tons	
1	A-6	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	23-Mar-04	46,040	46,040	46,040	0	0
1	A-6	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	26-Mar-04	43,580	43,580	43,580	0	0
1	A-6	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	30-Mar-04	41,920	41,920	41,920	0	0
1	A-6	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	2-Apr-04	44,400	44,400	44,400	0	0
1	A-6	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	6-Apr-04	42,620	42,620	42,620	0	0
1	A-6	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	13-Apr-04	46,000	46,000	46,000	0	0
1	A-6	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	16-Apr-04	43,780	43,780	43,780	0	0
1	A-6	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	20-Apr-04	41,300	41,300	41,300	0	0
1	A-6	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	30-Apr-04	38,760	38,760	38,760	0	0
1	A-6	THF/MTB	HAZ	D001, D021, F002	Z-Val	NORLITE	ST012403	INCIN	5-May-04	41,100	41,100	41,100	0	0
1	A-6	THF/MTB	HAZ	D001, F002, D021	Z-Val	NORLITE	ST012403	INCIN	16-Mar-04	46,740	46,740	46,740	0	0
												476,240	pounds	
												238.12	tons	
1	A-7	THF/MTB	HAZ	D001, F002, D021, F003	Z-Val	NORLITE	ST012403	INCIN	7-May-04	38,500	38,500	38,500	0	0
1	A-7	THF/MTB	HAZ	D001, F002, D021, F003	Z-Val	NORLITE	ST012403	INCIN	7-May-04	29,580	29,580	29,580	0	0

2004 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE CATEGORY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs
												68,080	pounds	
												34.04	tons	
4	CS	ACE/TOL	HAZ	D001		NORLITE	ST004502	INCIN	5-Feb-04	1,200	1,200	1,200	0	0
1	CS-1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022	NDI	NORLITE	SAN218211	INCIN	2-Jul-04	44,820	44,820	44,820	0	0
9	CS-1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	20-Sep-04	3,575	3,575	3,575	0	0
31	CS-1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	20-Sep-04	10,512	10,512	10,512	0	0
33	CS-1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	5-Feb-04	9,900	9,900	9,900	0	0
35	CS-1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	10-Mar-04	13,533	13,533	13,533	0	0
9	CS-1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	1-Jun-04	3,283	3,283	3,283	0	0
43	CS-1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	14-Jul-04	14,590	14,590	14,590	0	0
8	CS-1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	14-Jul-04	3,106	3,106	3,106	0	0
21	CS-1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	14-Dec-04	7,844	7,844	7,844	0	0
36	CS-1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	14-Dec-04	12,322	12,322	12,322	0	0
11	CS-1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST004502	INCIN	1-Jun-04	4,398	4,398	4,398	0	0
1	CS-1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022	NDI	NORLITE	ST010803	INCIN	1-Jun-04	42,800	42,800	42,800	0	0
1	CS-1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022	NDI	NORLITE	ST010803	INCIN	16-Jul-04	19,920	19,920	19,920	0	0
1	CS-1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022	FC-102	NORLITE	ST010803	INCIN	25-May-04	43,780	43,780	43,780	0	0
3	CS-1	ACE/TOL	HAZ	D001, F002, F003, F005, D021, D022		NORLITE	ST026003	INCIN	10-Mar-04	1,105	1,105	1,105	0	0
												235,488	pounds	

2004 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE CATEGORY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs
												117.74	tons	
4	CS-2	METHANOL WA	HAZ	F003, D001		ENSCO	1309250	INCIN	2-Nov-04	1,398	1,398	1,398	0	0
1	CS-2	TOL/METH	HAZ	D001, F005, F003		NORLITE	ST011303	INCIN	1-Jun-04	412	412	412	0	0
36	CS-2	TOL/METH	HAZ	D001, F005, F003		NORLITE	ST0113-03	INCIN	14-Jul-04	16,236	16,236	16,236	0	0
												18,046	pounds	
												9.02	tons	
2	A-8	ACE/METHOXY	HAZ	F003, D001, D002, D003		ENSCO	1419625	INCIN	15-Dec-04	670	670	670	0	0
2	A-8	ACE/METHOXY	HAZ	F003, D001, D002, D003, F005		ENSCO	1419625	INCIN	28-Sep-04	512	512	512	0	0
												1,182	pounds	
												0.59	tons	
3	D-1	ACL	HAZ	D003		ENSCO	1393044	INCIN	14-Jul-04	577	577	577	0	0
101	D-1	ACL WASTE	HAZ	D003		ENSCO	1393044	INCIN	15-Dec-04	7,555	7,555	7,555	0	0
2	D-1	ACL WASTE	HAZ	D003		ENSCO	1393044	INCIN	21-Dec-04	4,082	4,082	4,082	0	0
1	D-1	AMIDE CHLOR	HAZ	D003		ENSCO	1393044	INCIN	21-Dec-04	69	69	69	0	0
												12,283	pounds	
												6.14	tons	
1	D-2	BCF	HAZ	D002, D003		ENSCO	1434004	INCIN	2-Nov-04	29	29	29	0	0
1	D-2	IBCF	HAZ	D002, D003, D001		ENSCO	1453346	INCIN	5-Feb-04	200	200	200	0	0
1	D-2	IBCF	HAZ	D001, D002, D003		ENSCO	PLC3-29	INCIN	5-Feb-04	50	50	50	0	0
2	D-2	PCF/POH	HAZ	D001, D002, D003		ENSCO	1328263	INCIN	21-Dec-04	689	689	689	0	0
2	D-2	1,6 HBCF WAS	HAZ	D002, D003		ENSCO	1481077	INCIN	15-Dec-04	904	904	904	0	0
3	D-2	GCPCF WASTE	HAZ	D003		ENSCO	1481084	INCIN	15-Dec-04	1,329	1,329	1,329	0	0
												3,201	pounds	
												1.60	tons	
1	E	THCL/BUTYRI C ACID	HAZ	D002		ENSCO	11589	INCIN	5-Feb-04	50	50	50	0	0
1	E	METHANESUL FONYL	HAZ	D002		ENSCO	11589	INCIN	5-Feb-04	10	10	10	0	0
1	E	METHANESUL FONYL	HAZ	D002		ENSCO	90784	INCIN	5-Feb-04	10	10	10	0	0
1	E	METHANESUL FONYL	HAZ	D002		ENSCO	90784	INCIN	5-Feb-04	10	10	10	0	0

2004 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE CATEGORY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs
1	E	ETHYLAMINE/ AQU SOL	HAZ	D001, D002		ENSCO	1449310	INCIN	5-Feb-04	10	10	10	0	0
1	E	METHANESUL FONYL	HAZ	D002		ENSCO	1449310	INCIN	5-Feb-04	10	10	10	0	0
1	E	AEROSOLS	HAZ	D001		ENSCO	1449373	INCIN	1-Jun-04	1	1	1	0	0
1	E	PHOS ACID	HAZ	D002		ENSCO	1449373	INCIN	1-Jun-04	10	10	10	0	0
1	E	DISINFECTANT	HAZ	D002		ENSCO	1449373	INCIN	1-Jun-04	40	40	40	0	0
1	E	BUTXYLOL	HAZ	D001		ENSCO	1449673	INCIN	1-Jun-04	20	20	20	0	0
1	E	1CHLOR 2PRO	HAZ	D001, F003, F005, P102, F002		ENSCO	ERG131	INCIN	5-Feb-04	50	50	50	0	0
1	E	METHYLMORP HOLINE	HAZ	D001, D002		ENSCO	ERG132	INCIN	5-Feb-04	10	10	10	0	0
1	E	BCL/TMTC	HAZ	D001, D002, U008, FF05		ENSCO	ERG132	INCIN	5-Feb-04	50	50	50	0	0
1	E	TOL	HAZ	D001, F005		ENSCO	ERG133	INCIN	5-Feb-04	50	50	50	0	0
1	E	HYDRAZINE HYDRATE	HAZ	D002, U133		ENSCO	ERG153	INCIN	5-Feb-04	50	50	50	0	0
1	E	PHENOL	HAZ	U188		ENSCO	ERG153	INCIN	5-Feb-04	10	10	10	0	0
1	E	HYDROFLUOR	HAZ	D002		ENSCO	ERG157	INCIN	5-Feb-04	10	10	10	0	0
1	E	BZCL	HAZ	D002, P028		ENSCO	PLC3-20	INCIN	5-Feb-04	10	10	10	0	0
1	E	NBI/OCT SOL IS	HAZ	D001		ENSCO	PLC3-25	INCIN	5-Feb-04	10	10	10	0	0
1	E	2FUROYL CL	HAZ	D002		ENSCO	PLC3-26	INCIN	5-Feb-04	100	100	100	0	0
1	E	TMTC	HAZ	D002		ENSCO	PLC3-28	INCIN	5-Feb-04	10	10	10	0	0
1	E	1,5 NDI WASTE	HAZ	D003		ENSCO	1481086	INCIN	15-Dec-04	52	52	52	0	0
												583	pounds	
												0.29	tons	
1	F-ACL	DMF	HAZ	D001	ACL	NORLITE	ST010202	INCIN	26-May-04	11,100	11,100	11,100	0	0
3	F-ACL	DMF	HAZ	D001		NORLITE	ST010202	INCIN	20-Sep-04	2,007	2,007	2,007	0	0
2	F-ACL	DMF	HAZ	D001		NORLITE	ST010202	INCIN	14-Dec-04	678	678	678	0	0
												13,785	pounds	
												6.89	tons	
1	I	HAZ WASTE LI	HAZ	F002		ENSCO	1481052	INCIN	28-Sep-04	379	379		379	0
1	I	LIQUID WASTE	HAZ	F002	THF/MTBE Release	CECOS	12038	TREAT	23-Feb-04	47,840	47,840	0	47,840	0
1	I	LIQUID WASTE	HAZ	F002	THF/MTBE Release	CECOS	12038	TREAT	23-Feb-04	44,140	44,140	0	44,140	0
1	I	LIQUID WASTE	HAZ	F002	THF/MTBE Release	CECOS	12038	TREAT	24-Feb-04	47,240	47,240	0	47,240	0
1	I	LIQUID WASTE	HAZ	F002	THF/MTBE Release	CECOS	12038	TREAT	27-Feb-04	23,420	23,420	0	23,420	0
1	I	LIQUID WASTE	HAZ	F002	THF/MTBE Release	CECOS	12038	TREAT	27-Feb-04	39,800	39,800	0	39,800	0

2004 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE CATEGORY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	VV WT lbs	RECYCLE RECOVERY lbs
1	I	METHONAL/TH	HAZ	F003	Z-Val	CECOS	12342AAF	TREAT	5-Apr-04	41,160	41,160	0	41,160	0
													243,979	pounds
													121.99	
4	J	WASTE SOLID	HAZ	F002, F003, F005		ENSCO	1378178	INCIN	18-Mar-04	519	519	519	0	0
26	J	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	10-Mar-04	5,303	5,303	5,303	0	0
44	J	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	1-Jun-04	10,895	10,895	10,895	0	0
28	J	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	28-Sep-04	8,006	8,006	8,006	0	0
12	J	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	2-Nov-04	2,774	2,774	2,774	0	0
8	J	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	15-Dec-04	1,877	1,877	1,877	0	0
1	J	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	21-Dec-04	213	213	213	0	0
26	J	WASTE SOLID	HAZ	F005, F003, F002		ENSCO	1378178	INCIN	14-Jul-04	8,234	8,234	8,234	0	0
1	J	WASTE SOLID	HAZ	F005, F003, F002	NDI/NDA Inc	ONYX ENV	655907	INCIN	9-Jul-04	7,100	7,100	7,100	0	0
1	J	WASTE SOLID	HAZ	F005, F003, F002	NDI/NDA Inc	ONYX ENV	655907	INCIN	14-Jul-04	3,620	3,620	3,620	0	0
												48,541	pounds	
												24.27	tons	
2	K-1	SPENT CARBO	HAZ	D001, F005		ENVIRO	BUSNYAF	RECYC	12-Nov-04	481	481	0	0	481
2	K-1	SPENT CARBON	HAZ	D001, F005		ENVIRO	BUSPNY	TREAT	29-Jan-04	344	344	0	0	344
5	K-1	SPENT CARBO	HAZ	D001, F005		ENVIRO	BUSPNY	TREAT	12-Feb-04	805	805	0	0	805
5	K-1	SPENT CARBO	HAZ	D001, F005		ENVIRO	BUSPNY AF	TREAT	11-May-04	855	855		0	855
1	K-1	SPENT CARBO	HAZ	D001, F005		ENVIRO	BUSPNY AF	TREAT	20-May-04	172	172	0	0	172
4	K-1	SPENT CARBO	HAZ	F005, D001		ENVIRO	BUSPNYAF	TREAT	28-Oct-04	1,025	1,025	0	0	1,025
1	K-1	SPENT CARBO	HAZ	D001, F005		ENVIRO	BUSPNY-AF	TREAT	2-Sep-04	201	201	0	0	201
											3,883	pounds		
											1.94	tons		
3	K-2	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY	INCIN	6-Jan-04	13,330	13,330	0	0	13,330
1	K-2	SPENT CARBON	HAZ	F002, F003, F005		ENVIRO	CHEMNY	TREAT	29-Jan-04	4,446	4,446	0	0	4,446

2004 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE CATEGORY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs
2	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	CHEMNY	TREAT	12-Feb-04	9,740	9,740	0	0	9,740
4	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	CHEMNY	TREAT	25-Feb-04	17,740	17,740	0		17,740
2	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	CHEMNY	TREAT	24-Mar-04	7,237	7,237		0	7,237
2	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	CHEMNY WW	TREAT	11-May-04	5,948	5,948		0	5,948
2	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	CHEMNY WW	TREAT	20-May-04	7,444	7,444	0	0	7,444
1	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	CHEMNYWW	TREAT	19-Jul-04	4,190	4,190	0	0	4,190
3	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	CHEMNYWW	TREAT	2-Aug-04	12,410	12,410	0	0	12,410
3	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	CHEMNYWW	TREAT	28-Oct-04	10,240	10,240	0	0	10,240
2	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	CHEMNYWW	RECYC	12-Nov-04	9,730	9,730	0	0	9,730
2	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIROTROL	CHEMNYWW	TREAT	21-Dec-04	7,300	7,300	0	0	7,300
1	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	CHEMNY-WW	TREAT	7-Jun-04	4,030	4,030	0	0	4,030
4	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	CHEMNY-WW	TREAT	1-Jul-04	14,080	14,080	0	0	14,080
2	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	CHEMNY-WW	TREAT	1-Jul-04	339	339	0	0	339
2	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	CHEMNY-WW	TREAT	2-Sep-04	9,800	9,800	0	0	9,800
1	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	VANCHEMNY	TREAT	9-Sep-04	4,530	4,530	0	0	4,530
3	K-2	SPENT CARBO	HAZ	F002, F003, F005		ENVIRO	VANCHEMNY	TREAT	28-Sep-04	13,193	13,193	0	0	13,193
											155,727	pounds		
											77.86	tons		
2	K-3	SPENT CARBO	HAZ	F002	Pilot Lab	ENVIROTROL	GASNYCP	TREAT	21-Dec-04	399	399	pounds	0	399
											0.20	tons		
1	K-4	SPENT CARBO	HAZ	F005, F002, D021, D002, D001	HCI	ENVIRO	SOLVNYCP	TREAT	28-Oct-04	3,156	3,156	pounds	0	3,156
											1.58	tons		
3	K-5	MTBE/THF	HAZ	D001	Z-Val	ENVIRO	TETRYN CP	TREAT	11-May-04	5,735	5,735	pounds	0	5,735
											2.87	tons		
3	K-6	SPENT CARBO	HAZ	F005	HEGCI	ENVIRO	TOLNY-CP	TREAT	2-Sep-04	6,502	6,502	0	6,502	0
1	K-6	SPENT CARBO	HAZ	F005	HEGCI	ENVIROTROL	TOLNY-CP	TREAT	21-Dec-04	209	209	0	0	209
5	K-6	SPENT CARBO	HAZ	D001, F005	HEGCI	ENVIRO	VANTOLNYCP	TREAT	9-Sep-04	13,275	13,275	0	13,275	0
1	K-6	SPENT CARBO	HAZ	D001, F005	HEGCI	ENVIRO	VANTOLNYCP	TREAT	28-Sep-04	1,770	1,770	0	1,770	0

2004 HAZARDOUS WASTE REPORT WORKSHEET														
QTY	WASTE CATEGORY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs
											21,756	pounds		
											10.88	tons		
1	K-7	SPENT CARBO	HAZ	D001, D021, F002	PTSI	ENVIRO	VANVDMNYAF	TREAT	28-Sep-04	173	173	0	173	0
1	K-7	SPENT CARBON	HAZ	D001, D021, F002	PTSI	ENVIRO	VDMNY	INCIN	6-Jan-04	203	203	0	0	203
1	K-7	SPENT CARBO	HAZ	D001, D021, F002	PTSI	ENVIRO	VDMNY	TREAT	12-Feb-04	185	185	0	0	185
2	K-7	SPENT CARBO	HAZ	D001, D021, F002	PTSI	ENVIRO	VDMNY AF	TREAT	11-May-04	385	385	0	0	385
1	K-7	SPENT CARBO	HAZ	D001, D021, F002	PTSI	ENVIRO	VDMNYAF	TREAT	2-Aug-04	182	182	0	182	0
1	K-7	SPENT CARBO	HAZ	D001, D021, F002	PTSI	ENVIRO	VDMNY-AF	TREAT	2-Sep-04	196	196	0	196	0
											1,324	Pounds		
											0.66	tons		
1	MC-1	NAOH/TOL	HAZ	F005, F003, D001, D002, F021, F002	NDI/NDA Inc	BRIDGEPORT	1598FD2HFB	INCIN	8-Jun-04	30,000	30,000	30,000	0	0
1	MC-1	NAOH/TOL	HAZ	F005, F003, D001, D002, F021, F002	NDI/NDA Inc	BRIDGEPORT	1598FD2HFB	INCIN	4-Jun-04	44,800	44,800	44,800	0	0
1	MC-1	NAOH/TOL	HAZ	F005, F003, D001, D002, F021, F002	NDI/NDA Inc	BRIDGEPORT	1598FD2HFB	INCIN	7-Jun-04	45,440	45,440	45,440	0	0
10	MC-1	NAOH	HAZ	D002		ENSCO	1393023	INCIN	14-Jul-04	4,290	4,290	4,290	0	0
1	MC-1	SODIUM HYD V	HAZ	D002, F003, F005, D021, F002		ENSCO	1393023	INCIN	2-Nov-04	234	234	234	0	0
1	MC-1	SODIUM HYD V	HAZ	D002, D005		ENSCO	1453325	INCIN	15-Dec-04	454	454	454	0	0
												125,218	pounds	
												62.61	tons	
6	MC-2	HCL WASTE	HAZ	F002, F005, D021		ENSCO	1450506	INCIN	1-Jun-04	2,586	2,586	2,586	0	0
1	MC-2	HCL/THF	HAZ	D002, D021, F002, F005	L-Val	EQ RES	A59404	INCIN	6-Feb-04	38,560	38,560	38,560	0	0
1	MC-2	HCL/THF	HAZ	D002, D021, F002, F005, D001	L-Val	EQ RES	A59404	INCIN	5-Feb-04	40,100	40,100	40,100	0	0
1	MC-2	HCL/THF	HAZ	D002, D021, F002, F005, D001	L-Val	EQ RES	A59404	INCIN	2-Feb-04	27,240	27,240	27,240	0	0
1	MC-2	HCL	HAZ	D002, D021, F002, F005	L-Val	EQ RES	A59404OTS	INCIN	26-Jan-04	17,780	17,780	17,780	0	0
3	MC-2	HCL/TOL	HAZ	D002, F002, F003, F005, D021, D001		BRIDGEPORT	2258ESTD2L	INCIN	5-Feb-04	900	900	900	0	

2004 HAZARDOUS WASTE REPORT WORKSHEET														
QTY	WASTE CATEGORY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDf	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs
5	MC-2	HCL/TOL	HAZ	F005, F003, D001, D002, F002, D021		BRIDGEPORT	2258ESTD2L	INCIN	22-Sep-04	2,196	2,196	2,196	0	0
												129,362	pounds	
												64.68	tons	

3	O-1	NITRIC ACID	HAZ	D002		ENSCO	1481087	INCIN	15-Dec-04	1,208	1,208	1,208	0	0
9	O-2	ACE/PHCF	HAZ	F003, D001, D002, D003, F005		ENSCO	1434044	INCIN	14-Jul-04	3,415	3,415	3,415	0	0
1	O-3	HAZ WASTE LI	HAZ	F002, F003, F005, D021	CBZ / TOL / XYLENE	NORLITE	ST015103	INCIN	29-Sep-04	35,200	35,200	35,200	0	0
1	O-3	HAZ WASTE LI	HAZ	F002, F003, F005, D021	CBZ / TOL / XYLENE	NORLITE	ST015103	INCIN	29-Sep-04	29,560	29,560	29,560	0	0
1	O-3	LIQUID WASTE	HAZ	F002, F003, F005, D021	THF/MTBE Release	NORLITE	ST015103	INCIN	26-Feb-04	34,780	34,780	34,780	0	0
1	O-3	LIQUID WASTE	HAZ	F002, F003, F005, D021	THF/MTBE Release	NORLITE	ST015103	INCIN	26-Feb-04	12,560	12,560	12,560	0	0
												2,749,370	112,100	pounds
												1,375	56.05	tons

On-site waste water D002

608.41 tons

Grand Total	2,827,499	pounds
	2,021.69	tons

1,983.10

Waste Description	Waste Letter	Total Tons	% of total Waste Generated	Site 1-ENSCO ARD069748192	Site 2-Norlite NYD080469935	Site 3-EQRR MID060975844	Site 4-Bridgeport United CTD002593887	Site 5-CECOS NYD080336241	Site 6-Envirtrol PAD987270725	Site 7-ONXY Env ILD086642424
MISC SOLVENT WASTE (Carb/CHDCL)	A-1	43.77	2.17%		43.77					
MISC SOLVENT WASTE (CHDI/NDI)	A-2	20.16	1.00%		20.16					
MISC SOLVENT WASTE (FC-102)	A-3	197.92	9.79%		197.92					
MISC SOLVENT WASTE (HEGCI)	A-4	71.28	3.53%		71.28					
MISC SOLVENT WASTE (L/Z Val)	A-5	237.20	11.73%		237.20					
MISC SOLVENT WASTE (Z Val + cleaning)	A-6	238.12	11.78%		238.12					
MISC SOLVENT WASTE (Z Val + cleaning)	A-7	34.04	1.68%		34.04					
MISC SOLVENT WASTE (PILOT LAB)	A-8	0.59	0.03%	0.59						
CLEANING SOLVENTS	CS	0.60	0.03%		0.60					
CLEANING SOLVENTS	CS-1	117.74	5.82%		117.74					
CLEANING SOLVENTS	CS-2	9.02	0.45%	0.70	8.32					
OFF SPEC AMIDE CHLORIDE	D-1	6.14	0.30%	6.14						
OFF SPEC CHLOROFORMATES	D-2	1.60	0.08%	1.60						
LAB PACS	E	0.29	0.01%	0.29						
PROCESS RESIDUE- KILLED DMF	F	6.89	0.34%		6.89					
WASTEWATER TREATED OFF SITE	I	121.99	6.03%	0.19				121.80		
WASTEWATER TREATED ON SITE	I-W	608.41	30.09%							
SPILLS/CLEANUP/PLANT SAMPLES	J	24.27	1.20%	18.91						5.36
CARBON (Busch Pump)	K-1	1.94	0.10%						1.94	
CARBON (Effluent)	K-2	77.86	3.85%						77.86	
CARBON (Pilot lab)	K-3	0.20	0.01%						0.20	
CARBON (HCl)	K-4	1.58	0.08%						1.58	
CARBON (L-Val air)	K-5	2.87	0.14%						2.87	
CARBON (HEGCI)	K-6	10.88	0.54%						10.88	
CARBON (Busch Pump)	K-7	0.66	0.03%						0.66	
MISC CORROSIVE (NaOH)	MC-1	62.61	3.10%	2.49			60.12			
MISC CORROSIVE (HCL)	MC-2	64.68	3.20%	1.29		61.84	1.55			
TANK PASSIVATION	O-1	0.60	0.03%	0.60						
PROCESS CHANGE OVER CLEANING	O-2	1.71	0.08%	1.71						
TANK CLEANOUT PT-16	O-3	56.05	2.77%		56.05					
TOTAL		2021.69	100.00%	34.52	1032.10	61.84	61.67	121.80	95.99	5.36

Misc Solvents - total	A-1 - A-8	843.08								
Cleaning Solvents - Total	CS - CS-2	127.37								
Off Spec - Total	D-1 - D-2	7.74								
Lab Pacs	E	0.29								
Process Residue	F	6.89								
Wastewater - Total	I & I-W	730.40								
SPILLS/CLEANUP/PLANT SAMPLES	J	24.27								
Carbon - Total	K-1 - K-7	95.99								
Misc Corrosive	MC-1 & MC-2	127.29								
TANK PASSIVATION	O-1	0.60								
PROCESS CHANGE OVER CLEANING	O-2	1.71								
TANK CLEANOUT PT-16	O-3	56.05								
		2021.69								
Total non-wastewater		1291.29								

2005 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	PETROLEUM NAPHTHA	NON			SAFETY KLN		INCIN	6-Jan-05	24	0	0	0	0	0	5001	NYD981556541	SAFETY KLN	
2	SPENT CARBON/TOL	HAZ	F002, F003, F005	Plant		VANCHEMNYWW	TREAT	1-Feb-05	0	10,000	10,000	0	0	10,000	1198	PAH095716	WEAVER	
3	SPENT CARBON/METH	HAZ	F002	Pilot Lab		VANGASNYCP	TREAT	1-Feb-05	0	600	600	0	0	600	1198	PAH095716	WEAVER	
24	ACETONE/TOL	HAZ	F003, D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	15-Feb-05	0	9,065	9,065	9,065	0	0	1199	NYG4337208	UNITED IND	
7	ACETONE/TOL	HAZ	F003, D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	15-Feb-05	0	2,882	2,882	2,882	0	0	1199	NYG4337208	UNITED IND	
2	NON REG WASTE	NON	CR05		BRIDGEPORT	0926DLHN1	INCIN	15-Feb-05	0	743	0	743	0	0	1200	CTF1084289	UNITED IND	
3	NON REG WASTE	NON	CR05		BRIDGEPORT	0927DN4	INCIN	15-Feb-05	0	2,268	0	2,268	0	0	1200	CTF1084289	UNITED IND	
13	PTSI RESIDUE	NON	CR05		BRIDGEPORT	0928DN4	INCIN	15-Feb-05	0	6,987	0	6,987	0	0	1200	CTF1084289	UNITED IND	
2	NON REG PNBC	NON			NORLITE	ST021203		15-Feb-05	0	668	0	668	0	0	1201	CTD021816889	UNITED IND	
12	WASTE SOLIDS	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	15-Feb-05	0	3,073	3,073	3,073	0	0	1202	AR1496897	FREEHOLD	
3	NBI WASTE	HAZ	D001, D003		ENSCO	1453334	INCIN	15-Feb-05	0	721	721	721	0	0	1202	AR1496897	FREEHOLD	
2	NBI WASTE	HAZ	D001, D003		ENSCO	1453334	INCIN	15-Feb-05	0	706	706	706	0	0	1202	AR1496897	FREEHOLD	
9	TMBCL/HEP WASTE	HAZ	D003		ENSCO	1481085	INCIN	15-Feb-05	0	2,631	2,631	2,631	0	0	1202	AR1496897	FREEHOLD	
2	NON REG AVANEL/H2O	NON			NORLITE	ST007202		15-Feb-05	0	948		948	0	0	1203	CTD021816889	UNITED IND	
1	SPENT CARBON/TOL	HAZ	F002, F003, F005	Plant	ENVIR	CHEMNYWW	TREAT	15-Feb-05	0	6,000	6,000	0	0	6,000	1206	PAH095717	WEAVER	
1	SPENT CARBON/TOL	HAZ	D001, F005	D-7/D-9	ENVIR	VANBUSPNY	TREAT	15-Feb-05	0	180	180	0	0	180	1206	PAH095717	WEAVER	
1	SPENT CARBON/CBZ	HAZ	D001, D002, D021, F002, F005	Acid	ENVIR	VANSOLVNY	TREAT	15-Feb-05	0	1,500	1,500	0	0	1,500	1206	PAH095717	WEAVER	
1	METH/TOL	HAZ	F003, D001, F005	NBA/Acl/Clean	NORLITE	ST028503	INCIN	23-Feb-05	0	43,960	43,960	43,960	0	0	1207	NYG5261085	BFC	
1	TOL/DEA	HAZ	F005, D001	TEU/Spill/Acl	NORLITE	ST014802	INCIN	28-Feb-05	0	40,160	40,160	40,160	0	0	1208	NYG4337253	BFC	
1	METH/TOL	HAZ	F003, D001, F005	TEU/DEA	NORLITE	ST028503	INCIN	2-Mar-05	0	39,720	39,720	39,720	0	0	1209	NYG4336398	BFC	
1	METH/TOL	HAZ	F003, D001, F005	TOL/DEA/DMF	NORLITE	ST028503	INCIN	5-Mar-04	0	35,540	35,540	35,540	0	0	1210	NYG5261094	BFC	
3	SPENT CARBON/TOL	HAZ	F002, F003, F005	Plant	ENVIR	VANCHEMNYWW	TREAT	9-Mar-05	0	16,000	16,000	0	0	16,000	1211	PAH095718	WEAVER	
1	METH/TOL	HAZ	F003, D001, F005	TEU/HEGCL /DMF	NORLITE	ST028503	INCIN	9-Mar-05	0	43,981	43,981	43,981	0	0	1212	NYG52601103	BFC	
1	METH/TOL	HAZ	F003, D001, F005	HEGCI	NORLITE	ST028503	INCIN	14-Mar-05	0	42,700	42,700	42,700	0	0	1213	NYG5261112	BFC	
4	SPENT CARBON/TOL	HAZ	D001, F005	HEGCI	ENVIR	VANTOLUNYCP	TREAT	14-Mar-05	0	7,500	7,500	0	0	7,500	1214	PAH095719	BFC	
2	SPENT CARBON/TOL	HAZ	D001, F005	D-7/D-9	ENVIR	VANBUSPNY	TREAT	17-Mar-05	0	3,600	3,600	0	0	3,600	1215	PAH095721	WEAVER	
1	SPENT CARBON/TOL	HAZ	F002, F003, F005	Plant	ENVIR	VANCHEMNYWW	TREAT	17-Mar-05	0	6,000	6,000	0	0	6,000	1215	PAH095721	WEAVER	
2	SPENT CARBON/TOL	HAZ	D001, F005	HEGCI	ENVIR	VANTOLUNYCP	TREAT	17-Mar-05	0	2,400	2,400	0	0	2,400	1215	PAH095721	WEAVER	
1	SPENT CARBON/CBZ	HAZ	D001, D021, F002	PTSI	ENVIR	VANVDMNY	TREAT	17-Mar-05	0	180	180	0	0	180	1215	PAH095721	WEAVER	
7	WASTE SOLIDS	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	22-Mar-05	0	2,093	2,093	2,093	0	0	1216	AR1496950	TRAID	
1	ACETONE/TOL	HAZ	F003, D001, F005, D022, F002, D021		ENSCO	1419677	INCIN	22-Mar-05	0	420	420	420	0	0	1216	AR1496950	TRAID	
4	BCF WASTE	HAZ	D002, D003		ENSCO	1434004	INCIN	22-Mar-05	0	1,447	1,447	1,447	0	0	1216	AR1496950	TRAID	
1	ACETONE/NAOH	HAZ	F003, D001, F005, D022, F002, D002, D021		ENSCO	1434040	INCIN	22-Mar-05	0	523	523	523	0	0	1216	AR1496950	TRAID	
3	SPENT CARBON/TOL	HAZ	F005, D001	HEGCI	ENVIR	VANTOLUNYCP	TREAT	22-Mar-05	0	5,400	5,400	0	0	5,400	1217	PAH095720	WEAVER	
1	METH/TOL	HAZ	F003, D001, F005	HEGCI	NORLITE	ST028503	INCIN	24-Mar-05	0	40,780	40,780	40,780	0	0	1218	NYG5261121	BFC	
1	METH/TOL	HAZ	F003, D001, F005	HEGCI	NORLITE	ST028503	INCIN	28-Mar-05	0	43,680	43,680	43,680	0	0	1219	NYG5261139	BFC	
3	SPENT CARBON/TOL	HAZ	F002, F003, F005	HEGCI	ENVIR	VANCHEMNYWW	TREAT	28-Mar-05	0	12,000	12,000	0	0	12,000	1220	PAH182715	WEAVER	
2	SPENT CARBON/TOL	HAZ	F005, D001	HEGCI	ENVIR	VANTOLUNYCP	TREAT	28-Mar-05	0	3,000	3,000	0	0	3,000	1220	PAH182715	WEAVER	
1	METH/TOL	HAZ	F003, D001, F005	HEGCI	NORLITE	ST028503	INCIN	3/30/2005	0	44,440	44,440	44,440	0	0	1221	NYG4336407	BFC	
1	METH/TOL	HAZ	F003, D001, F005	HEGCI	NORLITE	ST028503	INCIN	4/1/2005	0	43,960	43,960	43,960	0	0	1222	NYG5261148	BFC	
3	SPENT CARBON/TOL	HAZ	F002, F003, F005	HEGCI	ENVIR	VANCHEMNYWW	TREAT	4/1/2005	0	13,500	13,500	0	0	13,500	1223	PAH182718	WEAVER	
1	SPENT CARBON/TOL	HAZ	F005, D001	HEGCI	ENVIR	VANTOLUNYCP	TREAT	4/1/2005	0	2,600	2,600	0	0	1,600	1223	PAH182718	WEAVER	
1	HAZ WASTE LIQUID	HAZ	F002, F003, F005, D021, D022	PT-16	NORLITE	ST015103	INCIN	5-Apr-05	0	39,320	39,320	39,320	0	0	1224	NYG4336488	UNITED IND	
1	METH/TOL	HAZ	F003, D001, F005	HEGCI	NORLITE	ST028503	INCIN	6-Apr-05	0	17,960	17,960	17,960	0	0	1225	NYG4336416	BFC	
1	HAZ WASTE LIQUID	HAZ	F002, F003, F005, D021	PT-16	NORLITE	ST015103	INCIN	5-Apr-05	0	18,840	18,840	18,840	0	0	1226	NYG4336479	UNITED IND	
1	PETROLEUM NAPHTHA	NON			SAFETY KLN	NY10827JF	INCIN	8-Apr-05	0	20	0	20	0	0	1227	NYD981556541	SAFETY KLN	
1	SPENT CARBON/TOL	HAZ	D001, F005		ENVIR	VANBUSPNY	TREAT	11-Apr-05	0	180	180	0	0	180	1228	PAH182716	WEAVER	

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QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	11-Apr-05	0	12,000	12,000	0	0	12,000	1228	PAH182716	WEAVER	
1	SPENT CARBON/TOL	HAZ	D001, F005	HEGCL	ENVIR	VANTOLUNYCP	TREAT	11-Apr-05	0	1,800	1,800	0	0	1,800	1228	PAH182716	WEAVER	
1	METH/TOL	HAZ	F003, D001, F005	97% Vils/Carb/ HEGCL	NORLITE	ST028503	INCIN	18-Apr-05	0	44,200	44,200	44,200	0	0	1229	NYG4336425	BFC	
1	METH/TOL	HAZ	F003, D001, F005	Carb	NORLITE	ST028503	INCIN	22-Apr-05	0	31,160	31,160	31,160	0	0	1230	NYG4336434	BFC	
2	SPENT CARBON/HEP	HAZ	D001, F005	97% Vils	ENVIR	VANBUSPNYAF	TREAT	26-Apr-05	0	360	360	0	0	360	1231	PAH182717	WEAVER	
1	SPENT CARBON/HEP	HAZ	D001	97% Vils	ENVIR	VANTETRNY	TREAT	26-Apr-05	0	2,000	2,000	0	0	2,000	1231	PAH182717	WEAVER	
1	SPENT CARBON/TOL	HAZ	F002, F003, F005	97% Vils	ENVIR	VANCHEMNYWW	TREAT	26-Apr-05	0	6,000	6,000	0	0	6,000	1231	PAH182717	WEAVER	
2	SPENT CARBON/HEP	HAZ	D001, F005	97% Vils	ENVIR	VANBUSPNYAF	TREAT	4-May-05	0	400	400	0	0	400	1232	PAH182717	WEAVER	
1	SPENT CARBON/HEP	HAZ	D001	97% Vils	ENVIR	VANTETRNY	TREAT	4-May-05	0	2,000	2,000	0	0	2,000	1232	PAH182723	WEAVER	
1	METH/TOL	HAZ	F003, D001, F005	97%/Carb/HEGCL	NORLITE	ST028503	INCIN	18-Apr-05	0	44,200	44,200	44,200	0	0	1233	NYG4854996	BFC	
22	WASTE SOLIDS	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	11-May-05	0	6,632	6,632	6,632	0	0	1234	AR1496790	FREEHOLD	
3	CAUSTIC/SODIUM HYD	HAZ	D002, F003, F005, D021, F002		ENSCO	1393023	INCIN	11-May-05	0	1,422	1,422	1,422	0	0	1234	AR1496790	FREEHOLD	
13	ACL SOLIDS	HAZ	D003		ENSCO	1393044	INCIN	11-May-05	0	2,662	2,662	2,662	0	0	1234	AR1496790	FREEHOLD	
1	ACE/METH	HAZ	F003, D001, D002, D003		ENSCO	1419625	INCIN	11-May-05	0	437	437	437	0	0	1234	AR1496790	FREEHOLD	
1	IPOH LIQUIDS	HAZ	D001, DD09		ENSCO	1481142	INCIN	11-May-05	0	44	44	44	0	0	1234	AR1496790	FREEHOLD	
1	2HEA LIQUIDS	HAZ			ENSCO	1481157	INCIN	11-May-05	0	476	476	476	0	0	1234	AR1496790	FREEHOLD	
15	ACE/TOL	HAZ	F003, D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	11-May-05	0	5,659	5,659	5,659	0	0	1235	NYG4855005	UNITED IND	
9	ACE/TOL	HAZ	F003, D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	11-May-05	0	3,483	3,483	3,483	0	0	1235	NYG4855005	UNITED IND	
1	DMF	HAZ	D001		NORLITE	ST010202	INCIN	11-May-05	0	333	333	333	0	0	1235	NYG4855005	UNITED IND	
1	OIL WASTE	NON			BRIDGEPORT	0926DLHN1	INCIN	11-May-05	0	404	0	404	0	0	1236	CTF1068599	UNITED IND	
3	WASTE SOLIDS	NON			BRIDGEPORT	0927DN4	INCIN	11-May-05	0	988	0	988	0	0	1236	CTF1068599	UNITED IND	
14	PTSI RESIDUE	NON			BRIDGEPORT	0928DN4	INCIN	11-May-05	0	7,706	0	7,706	0	0	1236	CTF1068599	UNITED IND	
3	HCL/TOL	HAZ	F005, F003, D001, D002, F002, D021		BRIDGEPORT	2258ESTD2L	INCIN	11-May-05	0	1,512	1,512	1,512	0	0	1236	CTF1068599	UNITED IND	
2	NON REG HEGCL	NON			NORLITE	ST00975N	INCIN	11-May-05	0	858	0	858	0	0	1237	CTV70623	UNITED IND	
4	SPENT CARBON/HEP	HAZ	D001	97% Vils	ENVIR	VANBUSPNY	TREAT	26-May-05	0	720	720	0	0	720	1238	PAH182722	WEAVER	
1	SPENT CARBON/HEP	HAZ	D001	97% Vils	ENVIR	VANTETRNY	TREAT	26-May-05	0	4,500	0	0	0	4,500	1238	PAH182722	WEAVER	
2	SPENT CARBON/TOL	HAZ	F002, F003, F005	PHCF	ENVIR	VANCHEMNYWW	TREAT	26-May-05	0	9,000	9,000	0	0	9,000	1238	PAH182722	WEAVER	
1	SPENT CARBON/MCB	HAZ	D001, D021, F002		ENVIR	VANVDMNY	TREAT	26-May-05	0	180	180	0	0	180	1238	PAH182722	WEAVER	
1	ACE/TOL	HAZ	F003, D001, F005, D022, F002, D021	DDI/PHCF	NORLITE	ST010803	INCIN	31-May-05	0	5,726	5,726	5,726	0	0	1239	NYG4255995	BFC	
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	1-Jun-05	0	9,000	9,000	0	0	9,000	1240	PAH182719	WEAVER	
1	BCF WASTE	HAZ	D001, F003	BCF	NORLITE	ST01355N	INCIN	6-Jun-05	4,455	37,155	37,155	37,155	0	0	1241	NYG4855986	BFC	
1	ACE/TOL	HAZ	F003, D001, F005, D022, F002, D021	PHCF/Carb/DDI	NORLITE	ST010803	INCIN	7-Jun-05	2,550	21,267	21,267	21,267	0	0	1242	NYG4855959	UNITED IND	
1	METH/BENZYL ETHER	HAZ	D001, F003	BCF	NORLITE	ST01355N	INCIN	8-Jun-05	3,600	30,024	30,024	30,024	0	0	1243	NYG4855977	BFC	
1	TOL/MET	HAZ	F005, F003, D001	PHCF	NORLITE	ST011303	INCIN	13-Jun-05	1,700	14,178	14,178	14,178	0	0	1244	NYG4856004	BFC	
1	PETROLEUM NAPHTHA	NON			SAFETY KLN	NYNA1635	INCIN	17-Jun-05	26	217	0	217	0	0	1245	NYD981556541	SAFETY KLN	
1	SPENT CARBON/TOL	HAZ	D001, F005		ENVIR	VANBUSPNYAF	TREAT	27-Jun-05	0	365	365	0	0	365	1246	PAH182720	WEAVER	
3	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	27-Jun-05	0	13,500	13,500	0	0	13,500	1246	PAH182720	WEAVER	
1	DIETHYLAMINE	HAZ	D002, F005		ENSCO	1309254	INCIN	5-Jul-05	0	404	404	404	0	0	1247	AR1496993	FREEHOLD	
14	WASTE SOLIDS	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	5-Jul-05	0	3,718	3,718	3,718	0	0	1247	AR1496993	FREEHOLD	
2	CAUSTIC LIQUIDS	HAZ	D002, F003, F005		ENSCO	1393023	INCIN	5-Jul-05	0	758	758	758	0	0	1247	AR1496993	FREEHOLD	
4	WASTE SOLIDS	HAZ	D003		ENSCO	1393044	INCIN	5-Jul-05	0	574	574	574	0	0	1247	AR1496993	FREEHOLD	
1	NBA WASTE	HAZ	D001		ENSCO	1453251	INCIN	5-Jul-05	0	394	394	394	0	0	1247	AR1496993	FREEHOLD	
1	NBA WASTE	HAZ	D001		ENSCO	1453251	INCIN	5-Jul-05	0	212	212	212	0	0	1247	AR1496993	FREEHOLD	
9	TOL/PHCF	HAZ	D001, D002, D003		ENSCO	1481169	INCIN	5-Jul-05	0	3,746	3,746	3,746	0	0	1247	AR1496993	FREEHOLD	
26	ACE/TOL	HAZ	F003, D001, F002, F005, D021, D022		NORLITE	ST004502	INCIN	5-Jul-05	0	9,810	9,810	9,810	0	0	1248	NYG4855356	UNITED IND	
2	DMF	HAZ	D001		NORLITE	ST010202	INCIN	5-Jul-05	0	633	633	633	0	0	1248	NYG4855356	UNITED IND	
5	DMF	HAZ	D001		NORLITE	ST010202	INCIN	5-Jul-05	0	2,008	2,008	2,008	0	0	1248	NYG4855356	UNITED IND	
8	PTSI RESIDUE	HAZ	CR05		BRIDGEPORT	0928DN4	INCIN	5-Jul-05	0	4,395	0	4,395	0	0	1249	CTF1068600	UNITED IND	

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3	NON REG PNBC	HAZ			NORLITE	ST021203	INCIN	5-Jul-05	0	1,338	0	1,338	0	0	1250	NYD981556541	UNITED IND	
5	NON REG BOH	HAZ			NORLITE	ST039703	INCIN	5-Jul-05	0	1,881	0	1,881	0	0	1250	NYD981556541	UNITED IND	
2	SPENT CARBON/TOL	HAZ	F006, F003, F005		ENVIR	VANCHEMNYWW	TREAT	15-Jul-05	0	9,000	9,000	0	9,000	0	1251	PAH182721	WEAVER	
1	METH/TOL	HAZ	F003, D001, F005		NORLITE	ST028503	INCIN	19-Jul-05	0	44,760	44,760	44,760	0	0	1252	NYG4854987	BFC	
35	NON REG SAND GRIT	NON			MDWTP	022100WTS	TREAT	21-Jul-05	0	29,706	0	0	29,706	0	1253	MI9568682	FRANKS	
3	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	22-Jul-05	0	13,500	13,500	0	13,500	0	1253	PAH246794	AUTUMN	
1	METH/TOL	HAZ	F003, D001, F005	ACL/CARB	NORLITE	ST028503	INCIN	25-Jul-05	0	43,860	43,860	43,860	0	0	1254	NYG4854978	BFC	
1	METH/TOL	HAZ	F003, D001, F005	CARB/IECC	NORLITE	ST028503	INCIN	26-Jul-05	0	40,600	40,600	40,600	0	0	1255	NYG4854969	UNITED IND	
1	NON REG PNBC	NON			NORLITE	ST021203	INCIN	1-Aug-05	0	10,080	0	10,080	0	0	1256	NYD175773779	BFC	
1	HCL/TOL	HAZ	F002, F005, D021		MDWTP	022622WTS	TREAT	2-Aug-05	0	10,000	10,000	10,000	0	0	1257	MI9568785	HAZMAT	
1	METH/TOL	HAZ	F003, D001, F005	CARB/IECC	NORLITE	ST028503	INCIN	15-Aug-05	0	40,520	40,520	40,520	0	0	1258	NYG4854951	BFC	
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	15-Aug-05	0	9,000	9,000	0	9,000	0	1259	PAH246793	WEAVER	
1	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	22-Aug-05	0	4,500	4,500	0	4,500	0	1260	PAH246792	WEAVER	
1	HCL/THF	HAZ	F005, D001, D002, D021, F002	L-VAL NCA	EI DUPONT	OW11974NY	INCIN	25-Aug-05	0	35,528	35,528	35,528	0	0	1261	NJA5237014	FREEHOLD	
1	METH/TOL	HAZ	F003, D001, F005	IECC/ACL/L-VAL	NORLITE	ST028503	INCIN	26-Aug-05	0	43,700	43,700	43,700	0	0	1262	NYG4857921	BFC	
1	METH/TOL	HAZ	F003, D001, F005	VAL NCA	NORLITE	ST028503	INCIN	30-Aug-05	0	41,640	41,640	41,640	0	0	1263	NYG4857939	BFC	
1	METH/TOL	HAZ	F003, D001, F005	VAL NCA	NORLITE	ST028503	INCIN	1-Sep-05	0	40,040	40,040	40,040	0	0	1264	NYG4857948	BFC	
1	HCL/THF	HAZ	F005, D001, D002, D021, F002	L-VAL NCA	EI DUPONT	OW11974NY	INCIN	2-Sep-05	0	26,400	26,400	26,400	0	0	1265	NJA5237016	FREEHOLD	
1	METH/TOL	HAZ	F003, D001, F005	VAL/ACL/IECC	NORLITE	ST028503	INCIN	6-Sep-05	0	38,540	38,540	38,540	0	0	1266	NYG4857957	BFC	
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	12-Sep-05	0	9,000	9,000	0	9,000	0	1267	PAH246791	WEAVER	
2	SPENT CARBON/TOL	HAZ	F005, F002, D021, D002, D001		ENVIR	VANSOLVNY	RECYC	12-Sep-05	0	6,000	6,000	0	0	6,000	1267	PAH246791	WEAVER	
2	ACE/METH	HAZ	F003, D001, D022, F002, F005, D021		ENSCO	1419625	INCIN	14-Sep-05	0	918	918	918	0	0	1268	AR1497064	FREEHOLD	
19	WASTE SOLIDS	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	14-Sep-05	0	5,183	5,183	5,183	0	0	1268	AR1497064	FREEHOLD	
25	ACL SOLIDS	HAZ	D003		ENSCO	1393044	INCIN	14-Sep-05	0	4,306	4,306	4,306	0	0	1268	AR1497064	FREEHOLD	
1	ACE/4MPCF	HAZ	F003, D001, D002, D003		ENSCO	1419625	INCIN	14-Sep-05	0	299	299	299	0	0	1268	AR1497064	FREEHOLD	
1	HAZ WASTE LIQUID	HAZ	D003, D021	PTSI	ENSCO	1408339	INCIN	14-Sep-05	0	390	390	390	0	0	1269	AR1497084	FREEHOLD	
1	METH/TOL	HAZ	F003, D001, F005	Z-VAL NCA / ETHYL ACE/HEP	NORLITE	ST028503	INCIN	26-Sep-05	0	44,888	44,888	44,888	0	0	1270	NYG4857966	BFC	
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	27-Sep-05	0	9,000	9,000	0	9,000	0	1271	PAH182900	WEAVER	
1	SPENT CARBON/HEP	HAZ	D001		ENVIR	VANTETRYNY	TREAT	27-Sep-05	0	4,500	4,500	0	4,500	0	1271	PAH182900	WEAVER	
1	SPENT CARBON/CBZ	HAZ	D001, D021, F002		ENVIR	VANVDMNY	TREAT	27-Sep-05	0	200	200	0	200	0	1271	PAH182900	WEAVER	
1	SPENT CARBON/HEP	HAZ	D001, F005		ENVIR	VANBUSPNY	TREAT	27-Sep-05	0	200	200	0	200	0	1271	PAH182900	WEAVER	
3	ACE/TOL	HAZ	F003, D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	4-Oct-05	0	1,226	1,226	1,226	0	0	1272	NYG5383098	UNITED IND	
11	ACE/TOL	HAZ	F003, D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	4-Oct-05	0	3,821	3,821	3,821	0	0	1272	NYG5383098	UNITED IND	
2	TOL/MET	HAZ	D001, F03, F005		NORLITE	ST011303	INCIN	4-Oct-05	0	721	721	721	0	0	1272	NYG5383098	UNITED IND	
5	NON REG WASTE	NON	CR05		BRIDGEPORT	0927DN4	INCIN	4-Oct-05	0	3,018	0	3,018	0	0	1273	CTF1194976	UNITED IND	
6	PTSI RESIDUE	NON	CR05		BRIDGEPORT	0928DN4	INCIN	4-Oct-05	0	3,181	0	3,181	0	0	1273	CTF1194976	UNITED IND	
1	HAZ WASTE LIQUID	HAZ	D021, F002, F003, F005		NORLITE	ST015103	INCIN	11-Oct-05	2,764	27,640	27,640	27,640	0	0	1274	NYG4857993	UNITED IND	
3	UNIVERSAL WST LAMPS	NON			BETHLEHEM	18148	TREAT	11-Oct-05	0	150	0	0	0	0	1275	NJDO54126164	FREEHOLD	
1	BATTERIES WET	NON			EAST PENN	UN2794	TREAT	11-Oct-05	0	80	0	0	0	0	1276	NJDO54126164	FREEHOLD	
1	METH/TOL	HAZ	D001, F003, F005	Z-VAL NCA / ETHYL ACE/HEP	NORLITE	ST028503	INCIN	17-Oct-05	0	44,800	44,800	44,800	0	0	1277	NYG5382981	BFC	
1	METH/TOL	HAZ	D001, F003, F005	Z-VAL NCA / ETHYL ACE/HEP	NORLITE	ST028503	INCIN	19-Oct-05	0	41,240	41,240	41,240	0	0	1278	NYG5382972	BFC	
1	METH/TOL	HAZ	D001, F003, F005	Z-VAL NCA / ETHYL ACE/HEP	NORLITE	ST028503	INCIN	21-Oct-05	0	37,940	37,940	37,940	0	0	1279	NYG5382963	BFC	
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	24-Oct-05	0	9,000	9,000	0	9,000	0	1280	PAH182908	WEAVER	
1	SPENT CARBON/HEP	HAZ	D001, F005		ENVIR	VANBUSPNYAF	TREAT	24-Oct-05	0	180	180	0	180	0	1280	PAH182908	WEAVER	
1	METH/TOL	HAZ	D001, F003, F005	Z-VAL NCA / ETHYL ACE/HEP	NORLITE	ST028503	INCIN	28-Oct-05	0	38,485	38,485	38,485	0	0	1281	NYG5382954	BFC	

2005 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
1	SPENT CARBON/CBZ	HAZ	D001, D002, D021, F002, F005		ENVIR	VANSOLVNY	TREAT	31-Oct-05	0	1,500	1,500	0	1,500	0	1282	PAH182907	WEAVER	
1	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005	Z-VAL NCA / ETHYL ACE/HEP	NORLITE	ST010803	INCIN	7-Nov-05	0	25,249	25,249	25,249	0	0	1283	NYG5382099	BFC	
1	CHLOROBENZENE	HAZ	D001, D021, F002	MCB/NDI	NORLITE	ST0266SN	INCIN	7-Nov-05	0	11,680	11,680	11,680	0	0	1284	NYG5382108	BFC	
1	SPENT CARBON/CBZ	HAZ	D001, D002, D021, F002, F005		ENVIR	VANSOLVNYCP	TREAT	4-Nov-05	0	500	500	0	500	0	1285	PAH182906	WEAVER	
1	CHLOROBENZENE	HAZ	D001, D021, F002	MCB/NDI	NORLITE	ST0266SN	INCIN	11-Nov-05	0	8,871	8,871	8,871	0	0	1286	NYG4857012	BFC	
1	METH/TOL	HAZ	F003, D001, F005	Z-VAL NCA / ETHYL ACE/HEP	NORLITE	ST028503	INCIN	11-Nov-05	0	17,213	17,213	17,213	0	0	1287	NYG4857021	BFC	
1	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYVWV	TREAT	11-Nov-05	0	4,500	4,500	0	4,500	0	1288	PAH182905	WEAVER	
1	SPENT CARBON/CBZ	HAZ	D001, D002, D021, F022, F005		ENVIR	VANSOLVNYCP	TREAT	11-Nov-05	0	500	500	0	500	0	1288	PAH182905	WEAVER	
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYVWV	TREAT	30-Nov-05	0	9,000	9,000	0	9,000	0	1289	PAH182904	WEAVER	
1	PETROLEUM NAPHTHA	NON			SAFETY KLN	557	TREAT	7-Dec-05	75	0	0	0	0		1290	TXR000050930	SAFETY KLN	
31	WASTE SOLIDS	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	13-Dec-05	9,747	9,747	9,747	0	0	0	1290	AR1600015	FREEHOLD	
30	ACL SOLIDS	HAZ	D003		ENSCO	1393044	INCIN	13-Dec-05	4,970	4,970	4,970	0	0	0	1290	AR1600015	FREEHOLD	
1	ACE/4MPCF	HAZ	F003, D001, D002, D003		ENSCO	1419625	INCIN	13-Dec-05	199	199	199	0	0	0	1290	AR1600015	FREEHOLD	
10	ACE/NAOH	HAZ	F003, D001, F005, D022, F002, D002, D021		ENSCO	1434040	INCIN	13-Dec-05	4,717	4,717	4,717	0	0	0	1290	AR1600015	FREEHOLD	
2	N-BUTYLAMINE	HAZ	D001		ENSCO	1453251	INCIN	13-Dec-05	597	597	597	0	0	0	1290	AR1600015	FREEHOLD	
1	TRIETHYLAMINE	HAZ	D001, D002		ENSCO	1453343	INCIN	13-Dec-05	22	22	22	0	0	0	1290	AR1600015	FREEHOLD	
1	1,5 NAPHTYLENE ISO	HAZ	D003		ENSCO	1481086	INCIN	13-Dec-05	25	25	25	0	0	0	1290	AR1600015	FREEHOLD	
2	HAZ WASTE LIQUID	HAZ	D003, D021		ENSCO	1408339	INCIN	13-Dec-05	558	558	558	0	0	0	1290	AR1600015	FREEHOLD	
1	AMINES SOLID CORR	HAZ			ENSCO	1475426	INCIN	13-Dec-05	35	35	35	0	0	0	1290	AR1600015	FREEHOLD	
1	AMINES SOLID CORR	HAZ			ENSCO	1475425	INCIN	13-Dec-05	30	30	30	0	0	0	1290	AR1600015	FREEHOLD	
6	ACE/TOL	HAZ	F003, D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	13-Dec-05	1,924	1,924	1,924	0	0	0	1292	NYG5382162	UNITED IND	
16	METH/BENZYL ETHER	HAZ	D001, F003		NORLITE	ST01355N	INCIN	13-Dec-05	7,346	7,346	7,346	0	0	0	1292	NYG5382162	UNITED IND	
31	ACE/TOL	HAZ	F003, D001, D022, F002, F005, D021		NORLITE	ST004502	INCIN	13-Dec-05	11,499	11,499	11,499	0	0	0	1292	NYG5382162	UNITED IND	
4	HAZ WASTE LIQUID	HAZ	D021, F002, F003, F005		NORLITE	ST015103	INCIN	13-Dec-05	1,645	1,645	1,645	0	0	0	1293	NYG4857183	UNITED IND	
1	NON REG WASTE	NON			BRIDGEPORT	CRO5	RECYC	13-Dec-05	0	50	0	0	0	50	1294	CTF1194984	UNITED IND	
4	PTSI RESIDUE	NON			BRIDGEPORT	CR05	RECYC	13-Dec-05	0	2,174	0	0	0	2,174	1294	CTF1194984	UNITED IND	
4	NON REG WASTE	NON			BRIDGEPORT	CR02	RECYC	13-Dec-05	0	1,999	0	0	0	1,999	1294	CTF1194984	UNITED IND	
1	NON REG TEU/H2O	NON			NORLITE	ST020003	TREAT	13-Dec-05	0	79	0	0	79	0	1295	CTD021816889	UNITED IND	
11	NON REG ETHYL ACE	NON			NORLITE		TREAT	13-Dec-05	0	4,502	0	0	4,502	0	1295	CTD021816889	UNITED IND	
1	NON REG PNBC	NON			NORLITE	ST021203	TREAT	13-Dec-05	0	465	0	0	465	0	1296	CTD021816889	UNITED IND	
8	NON REG MATERIAL	NON			BRIDGEPORT	0927DN4	RECYC	13-Dec-05	0	3,146	0	0	0	3,146	1297	UISA0185363	UNITED IND	
2	NON REG MATERIAL	NON			BRIDGEPORT	0926DLHN1	RECYC	13-Dec-05	445	0	0	0	0	445	1297	UISA0185363	UNITED IND	
1	METH/TOL	HAZ	D001, F003, F005	TEU/PNBC CLNOUT	NORLITE	ST028503	INCIN	19-Dec-05	0	43,100	43,100	43,100	0	0	1298	NYG4856103	BFC	
1	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYVWV	RECYC	20-Dec-05	0	4,500	4,500	0	0	4,500	1299	PAH182901	WEAVER	
1	SPENT CARBON/CBZ	HAZ	D001, D021, F002		ENVIR	VANVDMNYAF	RECYC	20-Dec-05	0	180	180	0	0	180	1299	PAH182901	WEAVER	
1	SPENT CARBON/HEP	HAZ	D001, F005		ENVIR	VANBUSPNYAF	RECYC	20-Dec-05	0	180	180	0	0	180	1299	PAH182901	WEAVER	
1	METH/TOL	HAZ	D001, F003, F005	TEU	NORLITE	ST028503	INCIN	22-Dec-05	0	42,920	42,920	42,920	0	0	1300	NYG4856094	BFC	
23	PTSI RESIDUE	NON			BRIDGEPORT	0928DN4	INCIN	29-Dec-05	0	13,051	0	13,051	0	0	1301	CTF1194985	UNITED IND	
1	ACE/TOL	HAZ	F003, D001, D022, F002, F005, D021	ACE/TOL	NORLITE	ST004502	INCIN	29-Dec-05	0	320	320	320	0	0	1302	NYG4856184	UNITED IND	
1	ACE/TOL	HAZ	F003, D001, D002, D022, F002, F005, D021	ACE/TOL	NORLITE	ST004502	INCIN	29-Dec-05	0	412	412	412	0	0	1302	NYG4856184	UNITED IND	
										1,990,460	1,884,858	1,657,390	118,832	170,139				

2005 HAZARDOUS WASTE REPORT WORKSHEET

[illegible]

2005 HAZARDOUS WASTE REPORT WORKSHEET - 1st quarter waste tax.

ev :

[illegible]

2005 HAZARDOUS WASTE REPORT WORKSHEET - 1st quarter waste tax.

ev :

[illegible]

	TONS	DOLLARS
total tons generated	0.00	

2005 HAZARDOUS WASTE REPORT WORKSHEET - 1st quarter waste tax.

Rev :

[illegible][illegible][illegible]

2005 HAZARDOUS WASTE REPORT WORKSHEET - 2nd quarter waste tax.

Rev

[illegible]

0	0	0	0	0
0	0	0	0	0

2005 HAZARDOUS WASTE REPORT WORKSHEET - 3rd quarter tax

Rev

[illegible]

QTY	DESCRIPTION	WASTE	PROCESS	TSDF	APPROVAL	METHOD	DATE	VOL	TOTAL WT.	HAZ. WT.	INCINERATION	WWT	RECYCLE / REC	DOC	WASTE SUM
															0
										0.00	0.00	0.00	0.00		

AMIDE CHLORIDE		0
AVENAL	#REF!	
BENZYL CHLOROFORMATE	#REF!	
BUTRYL CHLORIDE	#REF!	
FC102	#REF!	
HEGCL	#REF!	
LAB	#REF!	
PHENYL CHLOROFORMATE	#REF!	
PLANT	#REF!	
PNBC	#REF!	
PTSI	#REF!	
TMTC	#REF!	
phosgene		0
miscellaneous	#REF!	
total	#REF!	

2005 HAZARDOUS WASTE REPORT WORKSHEET

Rev

[illegible]

Waste Description	Waste Letter	Total Tons	% of total Waste Generated	Site 1-ENSCO ARD069748192	Site 2-Norlite NYD080469935	Site 3-EQRR MID060975844	Site 4- Bridgeport United CTD002593887	Site 5-CECOS NYD080336241	Site 6-Envirtrol PAD987270725	Site 7-ONXY Env ILD098642424
MISC SOLVENT WASTE (Carb/CHDCL)	A-1	0.00	0.00%							
MISC SOLVENT WASTE (CHDI/NDI)	A-2	0.00	0.00%							
MISC SOLVENT WASTE (FC-102)	A-3	0.00	0.00%							
MISC SOLVENT WASTE (HEGCI)	A-4	0.00	0.00%							
MISC SOLVENT WASTE (L/Z Val)	A-5	0.00	0.00%							
MISC SOLVENT WASTE (Z Val + cleaning)	A-6	0.00	0.00%							
MISC SOLVENT WASTE (Z Val + cleaning)	A-7	0.00	0.00%							
MISC SOLVENT WASTE (PILOT LAB)	A-8	0.00	0.00%							
CLEANING SOLVENTS	CS	0.00	0.00%							
CLEANING SOLVENTS	CS-1	0.00	0.00%							
CLEANING SOLVENTS	CS-2	0.00	0.00%							
OFF SPEC AMIDE CHLORIDE	D-1	0.00	0.00%							
OFF SPEC CHLOROFORMATES	D-2	0.00	0.00%							
LAB PACS	E	0.00	0.00%							
PROCESS RESIDUE- KILLED DMF	F	0.00	0.00%							
WASTEWATER TREATED OFF SITE	I	0.00	0.00%							
WASTEWATER TREATED ON SITE	I-W	608.41	100.00%							
SPILLS/CLEANUP/PLANT SAMPLES	J	0.00	0.00%							
CARBON (Busch Pump)	K-1	0.00	0.00%							
CARBON (Effluent)	K-2	0.00	0.00%							
CARBON (Pilot lab)	K-3	0.00	0.00%							
CARBON (HCl)	K-4	0.00	0.00%							
CARBON (L-Val air)	K-5	0.00	0.00%							
CARBON (HEGCI)	K-6	0.00	0.00%							
CARBON (Busch Pump)	K-7	0.00	0.00%							

Waste Description	Waste Letter	Total Tons	% of total Waste Generated	Site 1-ENSCO ARD069748192	Site 2-Norlite NYD080469935	Site 3-EQRR MID060975844	Site 4- Bridgeport United CTD002593887	Site 5-CECOS NYD080336241	Site 6-Envirtrol PAD987270725	Site 7-ONXY Env ILD098642424
MISC CORROSIVE (NaOH)	MC-1	0.00	0.00%							
MISC CORROSIVE (HCL)	MC-2	0.00	0.00%							
TANK PASSIVATION	O-1	0.00	0.00%							
PROCESS CHANGE OVER CLEANING	O-2	0.00	0.00%							
TANK CLEANOUT PT-16	O-3	0.00	0.00%							
TOTAL		608.41	100.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Misc Solvents - total	A-1 - A-8									
Cleaning Solvents - Total	CS - CS-2									
Off Spec - Total	D-1 - D-2									
Lab Pacs	E									
Process Residue	F									
Wastewater - Total	I & I-W									
SPILLS/CLEANUP/PLANT SAMPLES	J									
Carbon - Total	K-1 - K-7									
Misc Corrosive	MC-1 & MC-2									
TANK PASSIVATION	O-1									
PROCESS CHANGE OVER CLEANING	O-2									
TANK CLEANOUT PT-16	O-3									
		0.00								
Total non-wastewater		0.00								

2006 HAZARDOUS WASTE REPORT WORKSHEET

2006 HAZARDOUS WASTE REPORT WORKSHEET																					
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	COSTS DOSPOSAL	COSTS	COSTS	
																			TRANS	TAX	
3	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	CHEMNYWW	RECYC	28-Dec-06	0	13,500	13,500	0	0	13,500		21018JJK	WEAVER		1,386.18	148.89	
3	HEP/SPENT CARBON	HAZ	D001		ENVIR	TETRNYP	RECYC	28-Dec-06	0	6,000	6,000	0	0	6,000		21018JJK	WEAVER				
1	CBZ/SPENT CARBON	HAZ	F002		ENVIR	VDMNYAF	RECYC	28-Dec-06	0	180	180	0	0	180		21018JJK	WEAVER				
2	THF/HEP	HAZ	D001		CLEAN	1309244	INCIN	27-Dec-06	0	604	604	604	0	0		20719JJK	HAZMAT		1,305.18	213.81	
35	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		CLEAN	1378178	INCIN	27-Dec-06	0	8,543	8,543	8,543	0	0		20719JJK	HAZMAT				
18	ACL	HAZ	D003		CLEAN	1393044	INCIN	27-Dec-06	0	3,483	3,483	3,483	0	0		20719JJK	HAZMAT		1,266.84	289.54	
1	CAUSTIC	HAZ	D002, D005		CLEAN	1453325	TREAT	27-Dec-06	0	514	514	514	0	0		20719JJK	HAZMAT		1,234.44	274.85	
3	TRIETHYLAMINE	HAZ	D001, D002		CLEAN	1453343	INCIN	27-Dec-06	0	396	396	396	0	0		20719JJK	HAZMAT		1,428.84	261.50	
2	345TRI/HEP	HAZ	D003		CLEAN	1481085	INCIN	27-Dec-06	0	158	158	158	0	0		20719JJK	HAZMAT				
5	16HEX BIS CF	HAZ	D003		CLEAN	1530522	INCIN	27-Dec-06	0	1,975	1,975	1,975	0	0		20719JJK	HAZMAT				
2	HYDROXYLAMINE HYCL	NON			CLEAN	1530516	TREAT	27-Dec-06	0	405	0	0	405	0		20719JJK	HAZMAT				
3	NN DEA	NON			CLEAN	1530517	TREAT	27-Dec-06	0	1,080	0	0	1,080	0		20719JJK	HAZMAT				
3	METHANESULFONYL CL	NON			CLEAN	1530518	TREAT	27-Dec-06	0	1,800	0	0	1,800	0		20719JJK	HAZMAT				
1	DIBUTYLTIN DILAURATE	NON			CLEAN	1530519	TREAT	27-Dec-06	0	106	0	0	106	0		20719JJK	HAZMAT				
8	NON REG FC102	NON			CLEAN	1453335	TREAT	27-Dec-06	0	784	0	0	784	0		20719JJK	HAZMAT				
1	NON REG 2HYD ACRY	NON			CLEAN	1530534	TREAT	27-Dec-06	0	360	0	0	360	0		20719JJK	HAZMAT				
1	NITRIC ACID SOL	HAZ	D002		CLEAN	1530520	INCIN	27-Dec-06	0	110	110	110	0	0		20719JJK	HAZMAT			7,810.07	
11	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	20-Dec-06	0	3,122	3,122	3,122	0	0		2632971JJK	UNITED				
7	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	20-Dec-06	0	2,856	2,856	2,856	0	0		2632971JJK	UNITED				
2	DMF	HAZ	D001		NORLITE	ST010202	INCIN	20-Dec-06	0	850	850	850	0	0		2632971JJK	UNITED				
30	CBZ/SPENT CARBON	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	20-Dec-06	0	11,729	11,729	11,729	0	0		2632971JJK	UNITED				
2	CBZ/SPENT CARBON	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	20-Dec-06	0	644	644	644	0	0		2632971JJK	UNITED				
1	MMORPHOLINE	HAZ	D001		NORLITE	02706N	INCIN	20-Dec-06	0	279	279	279	0	0		2632971JJK	UNITED				
2	NON HAZ SOLIDS	NON			BRIDGEPORT	0927DN4	TREAT	20-Dec-06	0	450	0	0	450	0		2632970JJK	UNITED				
15	NON HAZ SOLIDS	NON			BRIDGEPORT	0927DN4	TREAT	20-Dec-06	0	5,648	0	0	5,648	0		2632970JJK	UNITED				
8	PTSI RESIDUE	NON			BRIDGEPORT	0928DN4	TREAT	20-Dec-06	0	4,440	0	0	4,440	0		2632970JJK	UNITED				
1	NON REG BRINE/GL	NON			BRIDGEPORT	ST034103	TREAT	20-Dec-06	0	389	0	0	389	0		NYD175773779	UNITED				
3	NON REG NNDBF	NON			BRIDGEPORT	02696N	TREAT	20-Dec-06	0	883	0	0	883	0		NYD175773779	UNITED				
2	NON REG DMAC	NON			BRIDGEPORT	02716	TREAT	20-Dec-06	0	860	0	0	860	0		NYD175773779	UNITED				
1	WST MCB	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	15-Dec-06	0	41,700	41,700	41,700	0	0		2632936JJK	BFC				
3	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	13-Dec-06	0	13,500	13,500	0	0	13,500		21017JJK	ETC LOG				
7	UNREG/USED CARBON	NON			ENVIR		RECYC	13-Dec-06	0	1,400	0	0	0	1,400		21017JJK	ETC LOG				
53	UNREG/USED CARBON	NON			ENVIR		RECYC	13-Dec-06	0	2,358	0	0	0	2,358		21017JJK	ETC LOG				
1	UNREG/USED CARBON	NON			ENVIR		RECYC	13-Dec-06	0	1,800	0	0	0	1,800		21017JJK	ETC LOG				
1	WST MCB	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	5-Dec-06	0	47,350	47,350	47,350	0	0		2632948JJK	BFC				
2	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	5-Dec-06	0	9,000	9,000	0	0	9,000		21016JJK	WEAVER				
1	METH/TOL	HAZ	D001, F003, F005		NORLITE	ST011303	INCIN	27-Nov-06	0	22,520	22,520	22,520	0	0		2632958JJK	EPS				
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	27-Nov-06	0	9,000	9,000	0	0	9,000		21015JJK	WEAVER				
2	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		CLEAN	1378178	INCIN	3-Nov-06	0	113	113	113	0	0		61761JJK	FREEHOLD				
1	AMINES	HAZ	F005, D002		CLEAN	1309254	INCIN	3-Nov-06	0	411	411	411	0	0		61761JJK	FREEHOLD				
2	UNIVERSAL LAMPS 4"	NON			BETH		RECYC	3-Nov-06	0	50	0	0	0	50		061103	FREEHOLD				
1	UNIVERSAL LAMPS 8"	NON			BETH		RECYC	3-Nov-06	0	50	0	0	0	50		061103	FREEHOLD				
5	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	CHEMNYWW	INCIN	1-Nov-06	0	19,500	19,500	19,500	0	0		21014JJK	WEAVER				
44	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	26-Oct-06	0	16,300	16,300	16,300	0	0		20747JJK	UNITED				
2	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	26-Oct-06	0	774	774	774	0	0		20747JJK	UNITED				
2	BENZYL ETHER/METH	HAZ	D001, F003		NORLITE	ST01355N	INCIN	26-Oct-06	0	938	938	938	0	0		20747JJK	UNITED				
2	ODCB/HEP	HAZ	F003, D001, F002, D021, F005		NORLITE	ST021803	INCIN	26-Oct-06	0	1,163	1,163	1,163	0	0		20747JJK	UNITED				
9	DMF	HAZ	D001		NORLITE	ST010202	INCIN	26-Oct-06	0	3,641	3,641	3,641	0	0		20747JJK	UNITED				
3	BZOH	NON			NORLITE	ST039703	INCIN	26-Oct-06	0	1,242	0	1,242	0	0		20747JJK	UNITED				
4	WASTE SOLID	NON	CR05		BRIDGEPORT	0927DN4	INCIN	26-Oct-06	0	245	0	245	0	0		20745JJK	UNITED				
3	PTSI RESIDUE	NON	CR05		BRIDGEPORT	0928DN4	INCIN	26-Oct-06	0	1,709	0	1,709	0	0		20745JJK	UNITED				
1	RAILROAD TIES	NON			ALLIED WST	22430	RECYC	10-Oct-06	0	5	0	0	0	5		303707	PRICE TRK				
2	AMINES	HAZ	F005, D002		CLEAN	1309254	INCIN	6-Oct-06	0	816	816	816	0	0		21171JJK	FRANKS				
1	WASTE LIQUID	HAZ	D003, D021		CLEAN	1318824	INCIN	6-Oct-06	0	500	500	500	0	0		21171JJK	FRANKS				

2006 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	COSTS DOSPOSAL	COSTS	
																			TRANS	TAX
30	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		CLEAN	1378178	INCIN	6-Oct-06	0	7,779	7,779	7,779	0	0		21171JJK	FRANKS			
1	ACL	HAZ	D003		CLEAN	1393044	INCIN	6-Oct-06	0	43	43	43	0	0		21171JJK	FRANKS			
1	ACL	HAZ	D003		CLEAN	1393044	INCIN	6-Oct-06	0	139	139	139	0	0		21171JJK	FRANKS			
1	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	5-Oct-06	0	4,500	4,500	0	4,500	0		21013JJK	WEAVER			
1	CBZ/SPENT CARBON	HAZ	F002, F005, D001, D002, D021		ENVIR	VANSOLVNYCP	TREAT	5-Oct-06	0	2,500	2,500	0	2,500	0		21013JJK	WEAVER			
											257,130	202,146		56,843						
											129	101		28						
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	21-Sep-06	0	9,000	9,000	0	0	9,000		21012JJK	ETC LOG			
2	CBZ/SPENT CARBON	HAZ	F002, F005, D021, D002, D001		ENVIR	VANSOLVNYCP	RECYC	21-Sep-06	0	5,000	5,000	0	0	5,000		21012JJK	ETC LOG			
9	CBZ/SPENT CARBON	HAZ	F002, F005, D021, D001		ENVIR	VANBUSPNYAF	RECYC	21-Sep-06	0	1,500	1,500	0	0	1,500		21012JJK	ETC LOG			
1	HEXANE/MCB	HAZ	D001, F002, D021		NORLITE	ST01566N	INCIN	19-Sep-06	0	40,620	40,620	40,620	0	0		59855JJK	BFC			
99	NON REG DRUMS	NON			CLEAN	1453388	INCIN	19-Sep-06	0	3,465	0	3,465	0	0	1344	NJD054126164	FREEHOLD			
3	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	13-Sep-06	0	13,500	13,500	0	0	13,500		21011JJK	WEAVER			
1	CBZ/SPENT CARBON	HAZ	F002, F005, D002		ENVIR	VANSOLVNYCP	RECYC	13-Sep-06	0	2,500	2,500	0	0	2,500		21011JJK	WEAVER			
1	HEXANE/MCB	HAZ	D001, F002, D021		NORLITE	ST01566N	INCIN	8-Sep-06	0	30,420	30,420	30,420	0	0		59856JJK	BFC			
3	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	8-Sep-06	0							21010JJK	WEAVER			
1	CBZ/SPENT CARBON	HAZ	F002, F005, D002		ENVIR	VANSOLVNYCP	RECYC	8-Sep-06	0							21010JJK	WEAVER			
1	NON REG	NON			ENVIR		RECYC	8-Sep-06	0							21010JJK	WEAVER			
1	HEXANE/MCB	HAZ	D001, F002, D021		NORLITE	ST01566N	INCIN	1-Sep-06	0	38,280	38,280	38,280	0	0	1343	NYG4440051	BFC			
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	25-Aug-06	0	9,000	9,000	0	0	9,000	1342	PAH298337	WEAVER			
1	MCB/SPENT CARBON	HAZ	F002		ENVIR	VANDMNYAF	RECYC	25-Aug-06	0	180	180	0	0	180	1342	PAH298337	WEAVER			
2	FLAMMABLE ACE/TOL	HAZ	D001,F002,F003,F005,D021,D022		NORLITE	ST004502	INCIN	22-Aug-06	0	846	846	846	0	0	1339	NYG4439511	UNITED			
12	DMF	HAZ	D001		NORLITE	ST010202	INCIN	22-Aug-06	0	4,473	4,473	4,473	0	0	1339	NYG4439511	UNITED			
13	FLAMMABLE METHANOL	HAZ	D001, F003, F005		NORLITE	ST01355N	INCIN	22-Aug-06	0	4,778	4,778	4,778	0	0	1339	NYG4439511	UNITED			
8	DMF/HEPTANE	HAZ	D001		NORLITE	ST025003	INCIN	22-Aug-06	0	2,441	2,441	2,441	0	0	1339	NYG4439511	UNITED			
39	FLAMMABLE ACE/TOL	HAZ	D001,F002,F003,F005,D021,D022		NORLITE	ST004502	INCIN	22-Aug-06	0	13,654	13,654	13,654	0	0	1339	NYG4439511	UNITED			
5	BZOH	NON			NORLITE	ST039703	INCIN	22-Aug-06	0	2,097	0	2,097	0	0	1341	CTD021816889	UNITED			
8	NON REG PTSI	NON	CRO5		BRIDGEPORT	0927DN4	INCIN	22-Aug-06	0	4,399	0	4,399	0	0	1340	CTF1194991	UNITED			
1	NON HAZ SOLIDS	NON	CRO6		BRIDGEPORT	0928DN5	INCIN	22-Aug-06	0	123	0	123	0	0	1340	CTF1194991	UNITED			
3	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	4-Aug-06	0	12,000	12,000	0	0	12,000	1336	PAH298335	WEAVER			
4	HEP/SPENT CARBON	HAZ	D001, F005		ENVIR	VANBUSPNYAF	RECYC	4-Aug-06	0	760	760	0	0	760	1336	PAH298335	WEAVER			
15	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	4-Aug-06	0	3,846	3,846	3,846	0	0	1337	AR1599969	HAZMAT			
1	FLAMMABLE ACE/NAOH	HAZ	F003, D001, F005, D022, F002, D002, D021		ENSCO	1434040	INCIN	4-Aug-06	0	197	197	197	0	0	1337	AR1599969	HAZMAT			
1	FLAMMABLE ACE/NAOH	HAZ	F003, D001, F005, D022, F002, D002, D021		ENSCO	1434040	INCIN	4-Aug-06	0	27	27	27	0	0	1337	AR1599969	HAZMAT			
1	CHDI LIQUID	HAZ	D003		ENSCO	1530435	INCIN	4-Aug-06	0	66	66	66	0	0	1337	AR1599969	HAZMAT			
1	WASTE CF	HAZ	D002, D003		ENSCO	1481158	INCIN	4-Aug-06	0	40	40	40	0	0	1338	AR1600107	HAZMAT			
3	WASTE CF	HAZ	D002, D003		ENSCO	1481158	INCIN	4-Aug-06	0	1,200	1,200	1,200	0	0	1338	AR1600107	HAZMAT			
5	UNIVERSAL LAMPS 4"	NON			BETH		RECYC	26-Jul-06	0	80	0	0	0	80	1335	R83621	FREEHOLD			
1	UNIVERSAL LAMPS 8"	NON			BETH		RECYC	26-Jul-06	0	50	0	0	0	50	1335	R83621	FREEHOLD			
2	MCB/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	TREAT	21-Jul-06	0	9,000	9,000	0	9,000	0	1334	PAH298334	WEAVER			
1	CBZ/SPENT CARBON	HAZ	D021,D001, F002		ENVIR	VANDMNYAF	TREAT	21-Jul-06	0	180	180	0	180	0	1334	PAH298334	WEAVER			
1	WASTE LIQUID	HAZ	F002, F005, D021		NORLITE	ST010603	INCIN	7-Jul-06	0	43,740	43,740	43,740	0	0	1333	NYG4440906	BFC			
1	WASTE LIQUID	HAZ	F002, F005, D021		NORLITE	ST010603	INCIN	5-Jul-06	0	41,940	41,940	41,940	0	0	1332	NYG4440915	BFC			
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	5-Jul-06	0	8,000	8,000	0	8,000	0	1331	PAH183138	WEAVER			
3	SPENT CARBON/TOL	HAZ	F005, D001		ENVIR	VANTOLUNYCP	RECYC	5-Jul-06	0	8,500	8,500	0	8,500	0	1331	PAH183138	WEAVER			
1	CUSTOM RECT CARB	NON			ENVIR		RECYC	5-Jul-06	0	3,300	0	0	3,300	0	1331	PAH183138	WEAVER			
1	METH/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	27-Jun-06	0	46,820	46,820	46,820	0	0	1330	NYG4441293	BFC			
1	NON REG TEU/H2O	NON	CRO5		NORLITE	ST020003	TREAT	24-Jun-06	0	301	0	0	301	0	1330	CTD021816889	UNITED			
2	NON REG PNBC OFF	NON	CRO5		NORLITE	ST021203	TREAT	24-Jun-06	0	495	0	0	495	0	1330	CTD021816889	UNITED			
3	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	22-Jun-06	0	1,213	1,213	1,213	0	0	1329	NYG4441509	UNITED			
1	DMF	HAZ	D001		NORLITE	ST010202	INCIN	22-Jun-06	0	379	379	379	0	0	1329	NYG4441509	UNITED			

L = LANDFILL
B = INCINERATION
T = TREATED

R = RECYCLE
S = STORAGE

2006 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	COSTS DOSPOSAL	COSTS TRANS	COSTS TAX
15	ACE/TOL	HAZ	D001, D022, F002, F003, F005		NORLITE	ST004502	INCIN	22-Jun-06	0	5,823	5,823	5,823	0	0	1329	NYG4441509	UNITED			
14	NON REG PTSI	NON	CRO5		BRIDGEPORT	0928DN4	TREAT	22-Jun-06	0	7,701	0	0	7,701	0	1331	CTF1194990	UNITED			
1	SPENT CARBON/TOL	HAZ	D001, F005		ENVIR	VANTOLUNYCP	RECYC	16-Jun-06	0	2,000	2,000	0	2,000	0	1328	PAH183139	ETC LOG			
3	SPENT CARBON/TOL	HAZ	D001, F005		ENVIR	VANTOLUNYCP	RECYC	13-Jun-06	0	4,500	4,500	0	4,500	0	1327	PAH183137	WEAVER			
1	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	5-Jun-06	0	3,500	3,500	0	3,500	0	1326	PAH183136	WEAVER			
1	SPENT CARBON/TOL	HAZ	D001, F005		ENVIR	VANTOLUNYCP	RECYC	5-Jun-06	0	1,000	1,000	0	1,000	0	1326	PAH183136	WEAVER			
26	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	31-May-06	0	7,567	7,567	7,567	0	0	1325	AR1600269	FREEHOLD			
1	ACE/HCL	HAZ	F003, D001, F005, D022, F002, D002, D021		ENSCO	1419718	INCIN	31-May-06	0	79	79	79	0	0	1325	AR1600269	FREEHOLD			
1	ACE/HCL	HAZ	F003, D001, F005, D022, F002, D002, D021		ENSCO	1419718	INCIN	31-May-06	0	395	395	395	0	0	1325	AR1600269	FREEHOLD			
2	HCL	HAZ	F005, F002, D021		ENSCO	1450506	INCIN	31-May-06	0	492	492	492	0	0	1325	AR1600269	FREEHOLD			
2	HEP/SPENT CARBON	HAZ	D001		ENVIR	VANTETRYNCP	RECYC	25-May-06	0	4,000	4,000	4,000	0	0	1323	PAH183145	ETC LOG			
1	METH/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	19-May-06	0	44,720	44,720	44,720	0	0	1323	NYG4856022	BFC			
1	METH/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	19-May-06	0	45,020	45,020	45,020	0	0	1324	NYG4856013	BFC			
2	HEP/SPENT CARBON	HAZ	D001		ENVIR	VANTETRYNCP	RECYC	10-May-06	0	4,000	4,000	0	4,000	0	1320	PAH183143	WEAVER			
2	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	10-May-06	0	9,000	9,000	0	9,000	0	1320	PAH183143	WEAVER			
1	CBZ/SPENT CARBON	HAZ	D001, D021, F002		ENVIR	VANBUSPNYAF	RECYC	10-May-06	0	180	180	0	180	0	1320	PAH183143	WEAVER			
1	WASTE LIQUID	HAZ	D021, F002, F003, F005		NORLITE	ST015103	INCIN	9-May-06	4,454	54,605	54,605	54,605	0	0	1321	NYG4439376	UNITED			
1	WASTE LIQUID	HAZ	D021, F002, F003, F005		NORLITE	ST015103	INCIN	9-May-06	4,000	35,000	35,000	35,000	0	0	1322	NYG4439358	UNITED			
1	HEP/SPENT CARBON	HAZ	D001		ENVIR	VANTETRYNCP	RECYC	2-May-06	0	2,000	2,000	0	2,000	0	1319	PAH183140	WEAVER			
1	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	2-May-06	0	4,000	4,000	0	4,000	0	1319	PAH183140	WEAVER			
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	25-Apr-06	0	8,000	8,000	0	8000	0	1318	PAH183142	WEAVER			
1	HEP/SPENT CARBON	HAZ	D001, F005		ENVIR	VANBUSPNYAF	RECYC	25-Apr-06	0	180	180	0	180	0	1318	PAH183142	WEAVER			
2	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	5-Apr-06	0	773	773	773	0	0	1315	NYG4438476	UNITED			
24	BENZYL ETHER/METH	HAZ	D001, F003, F005		NORLITE	ST01355N	INCIN	5-Apr-06	0	10,800	10,800	10,800	0	0	1315	NYG4438476	UNITED			
26	DMF	HAZ	D001		NORLITE	ST010202	INCIN	5-Apr-06	0	9,270	9,270	9,270	0	0	1315	NYG4438476	UNITED			
23	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	5-Apr-06	0	8,020	8,020	8,020	0	0	1315	NYG4438476	UNITED			
4	AVANEL/WATER	NON	CRO5		NORLITE	ST007202	TREAT	5-Apr-06	0	1,792	0	0	1,792	0	1317	CTD021816889	UNITED			
1	BOH	NON	CRO5		NORLITE	ST039703	TREAT	5-Apr-06	0	418	0	0	418	0	1317	CTD021816889	UNITED			
6	PTSI RESIDUE	NON	CRO5		BRIDGEPORT	0928DN4	TREAT	5-Apr-06	0	3,216	0	0	3,216	0	1316	CTF1194988	UNITED			
3	SPENT CARBON/TOL	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	27-Mar-06	0	13,610	13,610	0	0	13,610	1314	PAH183141	WEAVER			
1	HEP/SPENT CARBON	HAZ	D001		ENVIR	VANTETRYNCP	RECYC	27-Mar-06	0	2,061	2,061	0	0	2,061	1314	PAH183141	WEAVER			
1	CBZ/SPENT CARBON	HAZ	D001, D021, F002		ENVIR	VANVDMNYAF	RECYC	27-Mar-06	0	231	231	0	0	231	1314	PAH183141	WEAVER			
2	WASTE LIQUID	HAZ	D003, D021		ENSCO	1406339	INCIN	15-Mar-06	0	784	784	784	0	0	1313	AR1599942	TRIAD			
1	METH/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	14-Mar-06	0	42,400	42,400	42,400	0	0	1312	NYG4856031	BFC			
2	PTSI RESIDUE	HAZ	D003, D021		ENSCO	1408339	INCIN	13-Mar-06	0	784	784	784	0	0		AR1599942				
1	PETROLEUM NAPTHA	NON	CRO5		SAFETY CLN	N411382J5	TREAT	10-Mar-06	22		0	0		0	11871	TXR000050920	SAFETY CLN			
6	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	7-Mar-06	0	2,352	2,352	2,352	0	0	41635	NYG4441635	UNITED			
9	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	7-Mar-06	0	2,687	2,687	2,687	0	0	41635	NYG4441635	UNITED			
19	WASTE SOLID	HAZ	F002, F003, F005, D021, D022		ENSCO	1378178	INCIN	7-Mar-06	0	5,273	5,273	5,273	0	0	99935	AR1599935	FREEHOLD			
17	ACL	HAZ	D003		ENSCO	1393044	INCIN	7-Mar-06	0	2,886	2,886	2,886	0	0	99935	AR1599935	FREEHOLD			
1	ACE/HCL	HAZ	D001, D002, F002, F003, F005, D021, D022		ENSCO	1419718	INCIN	7-Mar-06	0	382	382	382	0	0	99935	AR1599935	FREEHOLD			
1	CAUSTIC	HAZ	D002, D005		ENSCO	1453325	TREAT	7-Mar-06	0	456	456	0	456	0	99935	AR1599935	FREEHOLD			
1	4MPCF	NON	CRO5		ENSCO	1453344	INCIN	7-Mar-06	0	366	0	0	0	0	99935	AR1599935	FREEHOLD			
11	PTSI RESIDUE	NON	CRO5		BRIDGEPORT	0928DN4	INCIN	7-Mar-06	0	6,204	0		0	0	94987	CTF1194987	UNITED			
1	WASTE NON REG	NON	CRO5		BRIDGEPORT	0927DN4	INCIN	7-Mar-06	0	253	0	0	0	0	94987	CTF1194987	UNITED			
1	WASTE OIL	NON	CRO5		BRIDGEPORT	0926DLHN1	INCIN	7-Mar-06	0	412	0	0	0	0	94987	CTF1194987	UNITED			
1	RECLAIMED TOLUENE	NON		IECC	LEHAN CHEM		SOLD AS PRODUCT	3-Mar-06	0	35,000	0	0	0	0	0	0	QUALITY			
1	RECLAIMED TOLUENE	NON		IECC	LEHAN CHEM		SOLD AS PRODUCT	22-Feb-06	0	44,720	0	0	0	0	0	0	QUALITY			
2	SPENT CARBON/TOL	HAZ	F002 F003, F005	GENERAL	ENVIR	VANCHEMNYWW	RECYC	8-Feb-06	0	9,001	9,001	0	0	9,001	1310	PAH183134	WEAVER			
2	SPENT CARBON/TOL	HAZ	D001, F005	HEGCL	ENVIR	VANTOLUNYCP	RECYC	8-Feb-06	0	4,949	4,949	0	0	4,949	1310	PAH183134	WEAVER			

2006 HAZARDOUS WASTE REPORT WORKSHEET

2006 HAZARDOUS WASTE REPORT WORKSHEET																				
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	MFST DOC NUM	STATE MFST NUM	HAULER	COSTS DISPOSAL	COSTS	COSTS
																			TRANS	TAX
1	HEP/SPENT CARBON	HAZ	D001	97% VILS	ENVIR	VANTETRYNYAF	RECYC	8-Feb-06	0	2,057	2,057	0	0	2,057	1310	PAH183134	WEAVER			
1	HEP/SPENT CARBON	HAZ	D001, F005		ENVIR	VANBUSPNYAF	RECYC	8-Feb-06	0	219	219	0	0	219	1310	PAH183134	WEAVER			
1	CBZ/SPENT CARBON	HAZ	D001, D021, F002		ENVIR	VANVDMNYAF	RECYC	8-Feb-06	0	229	229	0	0	229	1311	PAH183135	WEAVER			
1	METH/TOL	HAZ	D001, F003, F005	HEGCL	NORLITE	ST028503	INCIN	27-Jan-06	0	41,620	41,620	41,620	0	0	1309	NYG4856049	BFC	3,456.09		
1	METH/TOL	HAZ	D001, F003, F005	HEGCL	NORLITE	ST028503	INCIN	13-Jan-06	0	40,780	40,780	40,780	0	0	1308	NYG4856058	BFC	5,726.00		
1	METH/TOL	HAZ	D001, F003, F005	HEGCL	NORLITE	ST028503	INCIN	11-Jan-06	0	42,860	42,860	42,860	0	0	1307	NYG4856067	BFC	6,032.00		
1	SPENT CARBON/TOL	HAZ	D001, F005	HEGCL	ENVIR	VANTOLUNYCP	RECYC	9-Jan-06	0	2,523	2,523	0	0	2,523	1306	PAH182903	WEAVER			
1	METH/TOL	HAZ	D001, F003, F005	HEGCL	NORLITE	ST028503	INCIN	6-Jan-06	0	43,300	43,300	43,300	0	0	1305	NYG4856076	BFC	3,784.80		
2	SPENT CARBON/TOL	HAZ	F002 F003, F005	GENERAL	ENVIR	VANCHEMNYWW	RECYC	4-Jan-06	0	8,268	8,268	0	0	8,268	1304	PAH182902	WEAVER			
2	SPENT CARBON/TOL	HAZ	D001, F005	HEGCL	ENVIR	VANTOLUNYCP	RECYC	4-Jan-06	0	4,684	4,684	0	0	4,684	1304	PAH182902	WEAVER			
1	METH/TOL	HAZ	D001, F003, F005	TEU/HEGCL	NORLITE	ST028503	INCIN	3-Jan-06	0	37,300	37,300	37,300	0	0	1303	NYG4856085	BFC	3,562.38		

2007 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	STATE MFST NUM	HAULER	COSTS DOSPOSAL	COSTS	COSTS
																		TRANS	TAX
1	TOL/DEA	HAZ	F005, D001		NORLITE	ST014802	INCIN	11-Jan-07	0	41,435	41,435	41,435	0	0	2632967JJK	BFC			
5	TOL/SPENT CARBON	HAZ	D001, F005		ENVIR	VANTOLUNYCP	RECYC	12-Jan-07	0	11,500	11,500	0	0	11,500	21020JJK	WEAVER			
1	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	12-Jan-07	0	4,500	4,500	0	0	4,500	21020JJK	WEAVER			
3	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	9-Feb-07	0	13,500	13,500	0	0	13,500	21021JJK	WEAVER			
21	HAZ WASTE SOLID	HAZ	F002, F003, F005, D021, D022		CLEAN	1378178	INCIN	23-Feb-07	0	5,518	5,518	5,518	0	5,518	2632611JJK	FREEHOLD			
4	METHYL CF	HAZ	D001, D002, D003		CLEAN	1434070	INCIN	23-Feb-07	0	1,428	1,428	1,428	0	1,428	2632611JJK	FREEHOLD			
10	NON REG PTSI RES	NON	CRO5		BRIDGE	0928DN4	RECYC	23-Feb-07	0	5,688	0	0	0	5,688	2632591JJK	UNITED			
2	WASTE OIL NON REG	NON	CRO5		BRIDGE	0926DLHN	RECYC	23-Feb-07	0	736	0	0	0	736	2632591JJK	UNITED			
23	ACE/TOL	HAZ	F005, D001, D021, D022, F002, F003		NORLITE	ST004502	INCIN	23-Feb-07	0	9,060	9,060	9,060	0	0	2632590JJK	UNITED			
5	ACE/TOL	HAZ	F005, D001, D021, D022, F002, F003		NORLITE	ST004502	INCIN	23-Feb-07	0	2,087	2,087	2,087	0	0	2632590JJK	UNITED			
6	DMF	HAZ	D001		NORLITE	ST010202	INCIN	23-Feb-07	0	2,514	2,514	2,514	0	0	2632590JJK	UNITED			
5	CHLOROBENZENE	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	23-Feb-07	0	2,211	2,211	2,211	0	0	2632590JJK	UNITED			
31	CHLOROBENZENE	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	23-Feb-07	0	9,428	9,428	9,428	0	0	2632590JJK	UNITED			
4	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	13-Mar-07	0	18,000	18,000	0	0	18,000	21022JJK	ETC LOGISTICS			
1	HEP/SPENT CARBON	HAZ	D001		ENVIR	VANTETRYNCP	RECYC	13-Mar-07	0	2,000	2,000	0	0	2,000	21022JJK	ETC LOGISTICS			
3	TOL/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	CHEMNYWW	RECYC	27-Mar-07	0	13,500	13,500	0	0	13,500	21023JJK	ETC LOGISTICS			
19	HAZ WASTE SOLID	HAZ	F002, F003, F005, D021, D022		CLEAN	1378178	INCIN	4-Apr-07	0	4,884	4,884	4,884	0	0	2641337JJK	FREEHOLD			
2	BCF	HAZ	D002, D003		CLEAN	1434004	INCIN	4-Apr-07	0	799	799	799	0	0	2641337JJK	FREEHOLD			
4	AMINES/DEA	HAZ	D002, F005		CLEAN	1309254	INCIN	4-Apr-07	0	1,756	1,756	1,756	0	0	2641337JJK	FREEHOLD			
2	MCB/DEA	HAZ	D001, F002, D021		CLEAN	1309246	INCIN	4-Apr-07	0	686	686	686	0	0	2641337JJK	FREEHOLD			
19	ACE/TOL	HAZ	F005, D001, D021, D022, F002, F003		NORLITE	ST004502	INCIN	4-Apr-07	0	6,420	6,420	6,420	0	0	2641341JJK	UNITED			
4	ACE/TOL	HAZ	F005, D001, D021, D022, F002, F003		NORLITE	ST004502	INCIN	4-Apr-07	0	1,306	1,306	1,306	0	0	2641341JJK	UNITED			
18	DMF	HAZ	D001		NORLITE	ST010202	INCIN	4-Apr-07	0	6,872	6,872	6,872	0	0	2641341JJK	UNITED			
3	TOL/DEA	HAZ	F005, D001		NORLITE	ST014802	INCIN	4-Apr-07	0	1,137	1,137	1,137	0	0	2641341JJK	UNITED			
5	TOL/DEA	HAZ	F005, D001		NORLITE	ST014802	INCIN	4-Apr-07	0	1,928	1,928	1,928	0	0	2641341JJK	UNITED			
14	WASTE CBZ	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	4-Apr-07	0	4,363	4,363	4,363	0	0	2641341JJK	UNITED			
4	WASTE CBZ	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	4-Apr-07	0	1,496	1,496	1,496	0	0	2641341JJK	UNITED			
1	BRINE / GLYCOL	NON			NORLITE	ST034103	INCIN	4-Apr-07	0	229	0	229	0	0	2641341JJK	UNITED			
7	NON REG PTSI RES	NON	CRO5		BRIDGE	0928DN4	RECYC	4-Apr-07	0	4,108	0	0	0	4,108	2641342JJK	UNITED			
1	RECLAIMED TOLUENE	NON			LEHAN CHEM		SOLD AS PRODUCT	5-Apr-07	0	44,740	0	0	0	0	0	0	QUALITY		
27	TOL/PHCF	HAZ	D001, D002, D003, F005		CLEAN	1481169	INCIN	13-Apr-07	0	11,132	11,132	11,132	0	0	2641344JJK	FREEHOLD			
12	TOL/PHCF	HAZ	D001, D002, D003, F005		CLEAN	1481169	INCIN	13-Apr-07	0	4,812	4,812	4,812	0	0	2641344JJK	FREEHOLD			
1	LIQUID WASTE	HAZ	D021, F002, F003, F005		NORLITE	ST015103	INCIN	5-May-07	2,598	25,980	25,980	25,980	0	0	2735150JJK	UNITED			
2	TOL/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	11-May-07	9,000	9,000	9,000	0	0	9,000	2264367JJK	ETC LOGISTICS			
1	CBZ/SPENT CARBON	HAZ	D001, D021, F002		ENVIR	VANVDMNYAF	RECYC	11-May-07	180	180	180	0	0	180	2264367JJK	ETC LOGISTICS			
1	TOL/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	22-May-07	0	4,500	4,500	0	0	4,500	2264368JJK	ETC LOGISTICS			
2	TOL/SPENT CARBON	HAZ	D001, F005		ENVIR	VANTOLUNYCP	RECYC	22-May-07	0	2,300	2,300	0	0	2,300	2264368JJK	ETC LOGISTICS			
9	NON REG PTSI RES	NON	CRO5		BRIDGE	0928DN4	RECYC	30-May-07	0	5,363	0	0	0	5,363	2643473JJK	UNITED			
1	WASTE OIL NON REG	NON	CRO5		BRIDGE	0926DLHN	RECYC	30-May-07	0	352	0	0	0	352	2643473JJK	UNITED			
33	ACE/TOL	HAZ	F005, D001, D021, D022, F002, F003		NORLITE	ST004502	INCIN	30-May-07	0	12,007	12,007	12,007	0	0	2643472JJK	UNITED			

2007 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	STATE MFST NUM	HAULER	COSTS DOSPOSAL	COSTS	COSTS
																		TRANS	TAX
13	ACE/TOL	HAZ	F005, D001, D021, D022, F002, F003		NORLITE	ST004502	INCIN	30-May-07	0	5,364	5,364	5,364	0	0	2643472JJK	UNITED			
2	DMF	HAZ	D001		NORLITE	ST010202	INCIN	30-May-07	0	750	750	750	0	0	2643472JJK	UNITED			
6	TOL/DEA	HAZ	F005, D001		NORLITE	ST014802	INCIN	30-May-07	0	1,980	1,980	1,980	0	0	2643472JJK	UNITED			
4	CHLOROBENZENE	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	30-May-07	0	1,815	1,815	1,815	0	0	2643472JJK	UNITED			
6	BOH NON REG	NON			NORLITE	ST039703	INCIN	30-May-07	0	2,418	0	2,418	0	0	2643472JJK	UNITED			
1	CHLOROBENZENE	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	30-May-07	0	475	475	475	0	0	2643472JJK	UNITED			
18	HAZ WASTE SOLID	HAZ	D021, D022, F002, F003, F005		CLEAN	1378178	INCIN	8-Jun-07	0	5,505	5,505	5,505	0	0	2643474JJK	FREEHOLD			
2	HCL/ACE	HAZ	D001, D002, D021, D022, F002, F003, F005		CLEAN	1419718	INCIN	8-Jun-07	0	503	503	503	0	0	2643474JJK	FREEHOLD			
4	CAUSTIC	HAZ	D002, D021, F002, F003, F005		CLEAN	1393023	INCIN	8-Jun-07	0	1,628	1,628	1,628	0	0	2643474JJK	FREEHOLD			
1	MATERIAL NON REG	NON			CLEAN	PCH43007	INCIN	8-Jun-07	0	8	8	8	0	0	2643474JJK	FREEHOLD			
10	ACL	HAZ	D003		CLEAN	1383044	INCIN	8-Jun-07	0	1,333	1,333	1,333	0	0	2643474JJK	FREEHOLD			
3	CAUSTIC	HAZ	D002, D021, F002, F003, F005		CLEAN	1393023	INCIN	8-Jun-07	0	1,066	1,066	1,066	0	0	2643474JJK	FREEHOLD			
2	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	CHEMNYWW	RECYC	20-Jun-07	0	13,500	13,500	0	0	13,500	2264369JJK	TC LOGISTICS			
2	TOL/SPENT CARBON	HAZ	F005, D001		ENVIR	TOLUNYCP	RECYC	20-Jun-07	0	3,200	3,200	0	0	3,200	2264369JJK	TC LOGISTICS			
1	TOL/SPENT CARBON	HAZ	F005, D001, D021, F002		ENVIR	BUSPNYAF	RECYC	20-Jun-07	0	200	200	0	0	200	2264369JJK	TC LOGISTICS			
1	CBZ/SPENT CARBON	HAZ	D001, D021, F002		ENVIR	VDMNYAF	RECYC	20-Jun-07	0	200	200	0	0	200	2264369JJK	TC LOGISTICS			
1	HAZ WASTE SOLID	HAZ	F002, F003, F005		MICHIGAN	0725039WTSMD	TREAT	20-Jun-07	0	2,500	2,500	0	2,500	0	2768463JJK	HAZMAT			
1	PETROLEUM NAPTHA	NON	CR05		SAFETY CLN		TREAT	5-Jun-07	0	424	0	0	0	424	34140487	SAFETY CLN			
1	HAZ WASTE SOLID	HAZ	F002, F003, F005		MICHIGAN	F0725039WTSMD	TREAT	27-Jun-07	0	30	30	0	0	30	2768462JJK	HAZMAT			
3	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	18-Jul-07	0	13,500	13,500	0	0	13,500	2264370JJK	TC LOGISTICS			
146	EMPTY NON REG	NON	ERUM		EQ DET	F0725039WTSDET	TREAT	26-Jul-07	0	7,738	0	0	7,738	0	2768398JJK	HAZMAT			
11	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	26-Jul-07	0	4,618	4,618	4,618	0	0	2745119JJK	FREEHOLD			
27	LIQUID WASTE	HAZ	D021, F002, F003, F005		NORLITE	ST015103	INCIN	26-Jul-07	0	13,532	13,532	13,532	0	0	2745119JJK	FREEHOLD			
20	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	26-Jul-07	0	5,693	5,693	5,693	0	0	2745119JJK	FREEHOLD			
4	LIQUID WASTE	HAZ	D021, F002, F003, F005		NORLITE	ST015103	INCIN	26-Jul-07	0	1,728	1,728	1,728	0	0	2745119JJK	FREEHOLD			
1	WASTE CBZ	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	26-Jul-07	0	214	214	214	0	0	2745119JJK	FREEHOLD			
3	WASTE CBZ	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	26-Jul-07	0	947	947	947	0	0	2745119JJK	FREEHOLD			
5	DMF	HAZ	D001		NORLITE	ST010202	INCIN	26-Jul-07	0	1,826	1,826	1,826	0	0	2745119JJK	FREEHOLD			
4	AVANEL NON REG	NON			NORLITE	ST007202	INCIN	26-Jul-07	0	1,596	0	1,596	0	0	2745119JJK	FREEHOLD			
1	SODIUM HYDROX/TOL	HAZ	F005, F003, D001, D002, D021, F002		BRIDGE	1598FD2HFB	INCIN	20-Jul-07	0	461	461	461	0	0	2745124JJK	FREEHOLD			
1	SODIUM HYDROX/TOL	HAZ	F005, F003, D001, D002, D021, F002		BRIDGE	1598FD2HFB	INCIN	20-Jul-07	0	338	338	338	0	0	2745124JJK	FREEHOLD			
1	NON REG PTSI RES	NON	CR05		BRIDGE	0927DN4	RECYC	20-Jul-07	0	526	0	0	0	526	2745124JJK	FREEHOLD			
3	NON REG PTSI RES	NON	CR05		BRIDGE	0927DN4	RECYC	20-Jul-07	0	855	0	0	0	855	2745124JJK	FREEHOLD			
4	NON REG PTSI RES	NON	CR05		BRIDGE	0928DN4	RECYC	20-Jul-07	0	2,294	0	0	0	2,294	2745124JJK	FREEHOLD			
14	HAZ WASTE SOLID	HAZ	D021, D022, F002, F003, F005		CLEAN	1378178	INCIN	10-Aug-07	0	5,174	5,174	5,174	0	0	2643479JJK	FREEHOLD			
1	SODIUM HYDROX/TOL	HAZ	D002, D005		CLEAN	1453325	INCIN	10-Aug-07	0	458	458	458	0	0	2643479JJK	FREEHOLD			
1	SODIUM HYDROX/TOL	HAZ	D002, D021, F002, F003, F005		CLEAN	1393023	INCIN	10-Aug-07	0	429	429	429	0	0	2643479JJK	FREEHOLD			
1	BCF	HAZ	D002, D003		CLEAN	1434004	INCIN	10-Aug-07	0	406	406	406	0	0	2643479JJK	FREEHOLD			

2007 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	STATE MFST NUM	HAULER	COSTS DOSPOSAL	COSTS	COSTS
																		TRANS	TAX
1	SODIUM HYDROX/TOL	HAZ	D002, D021, F002, F003, F005		CLEAN	1393023	INCIN	10-Aug-07	0	310	310	310	0	0	2643479JJK	FREEHOLD			
1	TOL/PHCF	HAZ	D001, D002, D003, F005		CLEAN	1481169	INCIN	10-Aug-07	0	96	96	96	0	0	2643479JJK	FREEHOLD			
1	PNBC NON REG	NON			CLEAN	709744	TREAT	10-Aug-07	0	346	0	0	346	0	2643479JJK	FREEHOLD			
1	MERCUROUS NITRATE	HAZ	D009		CLEAN	CC11358SP	RECYC	10-Aug-07	0	2	0	0	0	2	2643479JJK	FREEHOLD			
1	NITROPHENOLS	HAZ	U170		CLEAN	CC11358SP	INCIN	10-Aug-07	0	1	1	1	0	0	2643479JJK	FREEHOLD			
1	ANLINE	HAZ	U012		CLEAN		INCIN	10-Aug-07	0	1	1	1	0	0	2643479JJK	FREEHOLD			
1	SILVER NITRATE	HAZ	D001, D011		CLEAN		INCIN	10-Aug-07	0	1	1	1	0	0	2643479JJK	FREEHOLD			
1	ACETYL CHLORIDE	HAZ	D001, D002, D003, U006		CLEAN		INCIN	10-Aug-07	0	1	1	1	0	0	2643479JJK	FREEHOLD			
1	WASTE CFMATES	HAZ	D002		CLEAN	CC11358SP	INCIN	10-Aug-07	0	1	1	1	0	0	2643479JJK	FREEHOLD			
1	SULFUROUS ACID	HAZ	D002		CLEAN		INCIN	10-Aug-07	0	3	3	3	0	0	2643479JJK	FREEHOLD			
1	ISOCYANATES TOXICS	HAZ	D003		CLEAN	CC11358SP	INCIN	10-Aug-07	0	6	6	6	0	0	2643479JJK	FREEHOLD			
1	LIQUID WASTE	HAZ	D001		CLEAN	CC11358SP	INCIN	10-Aug-07	0	3	3	3	0	0	2643479JJK	FREEHOLD			
1	DICHLOROBENZENE	HAZ	U070		CLEAN	CC11358SP	INCIN	10-Aug-07	0	2	2	2	0	0	2643479JJK	FREEHOLD			
1	LIQUID WASTE	HAZ	D024, P024		CLEAN	CC11358SP	INCIN	10-Aug-07	0	3	3	3	0	0	2643479JJK	FREEHOLD			
1	CORROSIVE LIQUIDS	HAZ	D001, D002, U123		CLEAN	CC11358SP	INCIN	10-Aug-07	0	6	6	6	0	0	2643479JJK	FREEHOLD			
1	MORPHOLINE	HAZ	D001, D002		CLEAN		INCIN	10-Aug-07	0	6	6	6	0	0	2643479JJK	FREEHOLD			
1	AMINES/DEA	HAZ	D001, D002, U404, U092		CLEAN		INCIN	10-Aug-07	0	6	6	6	0	0	2643479JJK	FREEHOLD			
1	SODIUM METHYLATE	HAZ	D001, D002, D003		CLEAN		INCIN	10-Aug-07	0	7	7	7	0	0	2643479JJK	FREEHOLD			
1	DIMETHYLDICHLORO	HAZ	D003, F005		CLEAN		INCIN	10-Aug-07	0	2	2	2	0	0	2643479JJK	FREEHOLD			
1	FLAMMABLE LIQUID	HAZ	D001, D028, U077		CLEAN		INCIN	10-Aug-07	0	53	53	53	0	0	2643479JJK	FREEHOLD			
1	INHALATION LIQUID	HAZ	D022		CLEAN		INCIN	10-Aug-07	0	5	5	5	0	0	2643479JJK	FREEHOLD			
1	INHALATION LIQUID	HAZ	D022		CLEAN		INCIN	10-Aug-07	0	6	6	6	0	0	2643479JJK	FREEHOLD			
1	METHYL CF	HAZ	D002		CLEAN		INCIN	10-Aug-07	0	5	5	5	0	0	2643479JJK	FREEHOLD			
1	COR INORGANIC	NON			CLEAN	CC11358SP	TREAT	10-Aug-07	0	1	0	0	1	0	2643479JJK	FREEHOLD			
1	NR RAILROAD TIES	NON			NREC	LO7Y611641	RECYC	16-Aug-07	0	2,500	0	0	0	2,500	26087	HAZMAT			
2	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	ANCHEMNYW	RECYC	16-Aug-07	0	9,000	9,000	0	0	9,000	2264371JJK	WEAVER			
1	CBZ/SPENT CARBON	HAZ	D001, D002, D021, F002, F005		ENVIR	VANSOLVNYCP	RECYC	16-Aug-07	0	1,800	1,800	0	0	1,800	2264371JJK	WEAVER			
2	TOL/SPENT CARBON	HAZ	D001, F005, F002		ENVIR	VANBUSPNYAF	RECYC	16-Aug-07	0	360	360	0	0	360	2264371JJK	WEAVER			
1	ACTIVATED CARBON	NON			ENVIR	01FP0207	RECYC	16-Aug-07	0	1,800	0	0	0	1,800	2264371JJK	WEAVER			
1	PETROLEUM NAPHTHA	NON	CRO5		SAFETY CLN		TREAT	21-Aug-07	0		0	0	0		34672650	SAFETY CLN			
2	TOL/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYW	RECYC	14-Sep-07	0	9,000	9,000	0	0	9,000	2264372JJK	ETC LOGISTICS			
1	CBZ/SPENT CARBON	HAZ	D001, D002, D021, F002, F005		ENVIR	VANSOLVNYCP	RECYC	14-Sep-07	0	3,000	3,000	0	0	3,000	2264372JJK	ETC LOGISTICS			
1	HYDROCH/METHANOL	HAZ	F005, F003, D001, D002, F002, D021		BRIDGE	2256ESTD2L	INCIN	26-Sep-07	0	118	118	118	0	0	2763332JJK	UNITED			
7	NON REG PTSI RES	NON	CR05		BRIDGE	0928DN4	RECYC	26-Sep-07	0	3,916	0	0	0	3,916	2763332JJK	UNITED			
1	NON REG PTSI RES	NON	CR05		BRIDGE	0927DN4	RECYC	26-Sep-07	0	590	0	0	0	590	2763332JJK	UNITED			
26	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	26-Sep-07	0	9,076	9,076	9,076	0	0	2763331JJK	UNITED			
39	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	26-Sep-07	0	14,063	14,063	14,063	0	0	2763331JJK	UNITED			
4	CARBAESTER NR	NON	WTS26404		NORLITE	ST01197N	RECYC	26-Sep-07	0	1,515	0	0	0	1,515	2763331JJK	UNITED			
2	HEP/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	ANCHEMNYW	RECYC	27-Sep-07	0	9,000	0	0	0	9,000	2264373JJK	WEAVER			
1	HEP/SPENT CARBON	HAZ	D001		ENVIR	VANTETRNYCH	RECYC	27-Sep-07	0	2,500	0	0	0	2,500	2264373JJK	WEAVER			
1	ACTIVATED CARBON	NON			ENVIR		RECYC	27-Sep-07	0	2,000	0	0	0	2,000	2264373JJK	WEAVER			
7	HAZ WASTE SOLID	HAZ	D021, D022, F002, F003, F005		CLEAN	1378178	INCIN	4-Oct-07	0	1,760	1,760	1,760	0	0	2763330JJK	FREEHOLD			

2007 HAZARDOUS WASTE REPORT WORKSHEET

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	STATE MFST NUM	HAULER	COSTS DOSPOSAL	COSTS	COSTS
																		TRANS	TAX
15	TOL/PHCF	HAZ	D001, D002, D003, F005		CLEAN	1481169	INCIN	4-Oct-07	0	6,172	6,172	6,172	0	0	2763330JJK	FREEHOLD			
8	PHCF RESIDUAL	HAZ			CLEAN	1453388		4-Oct-07	0	336	0	0	0	336	2763330JJK	FREEHOLD			
9	PHCF RESIDUAL	HAZ			CLEAN	1453388		4-Oct-07	0	477	0	0	0	477	2763330JJK	FREEHOLD			
1	MCB/DEA	HAZ	D001, F002, D021		CLEAN	1309246	INCIN	4-Oct-07	0	458	458	458	0	0	2763330JJK	FREEHOLD			
8	STILLBOTTOM PHCF	NON			CLEAN	1378189		4-Oct-07	0	3,664	3,664	3,664	0	0	2763330JJK	FREEHOLD			
1	SODIUM METHYLATE	HAZ	D001, D002, D003		CLEAN	LRCTD	INCIN	4-Oct-07	0	1	1	1	0	0	2763330JJK	FREEHOLD			
1	AMMONIA SOL	HAZ	D002		CLEAN	LCCRB	INCIN	4-Oct-07	0	11	11	11	0	0	2763330JJK	FREEHOLD			
1	ISOCYANATES TOXICS	HAZ	D001, D002, D003, D021		CLEAN	LRTCB	INCIN	4-Oct-07	0	14	14	14	0	0	2763330JJK	FREEHOLD			
1	FLAMMABLE LIQUID	HAZ	D001, D002, D003		CLEAN	LRCTD	INCIN	4-Oct-07	0	9	9	9	0	0	2763330JJK	FREEHOLD			
1	ORGANOMETALIC	HAZ	D001, D002, D003		CLEAN	LRCTD	INCIN	4-Oct-07	0	8	8	8	0	0	2763330JJK	FREEHOLD			
1	AMINES	HAZ	D001, D002, U404, U092		CLEAN	LCCRB	INCIN	4-Oct-07	0	12	12	12	0	0	2763330JJK	FREEHOLD			
1	CORROSIVE LIQUIDS	HAZ	D002		CLEAN	LCCRA	INCIN	4-Oct-07	0	30	30	30	0	0	2763330JJK	FREEHOLD			
1	CORROSIVE LIQUIDS	HAZ			CLEAN	LCCRA		4-Oct-07	0	7	0	0	0	7	2763330JJK	FREEHOLD			
1	MIXED BATTERIES	NON			INMELCO		RECYC	2-Nov-07	0	175	0	0	0	175	75950	FREEHOLD			
1	TOL/SPENT CARBON	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	5-Nov-07	0	22,500	22,500	0	0	22,500	2264374JJK	WEAVER			
1	BRINE SOLUTION	NON			CWM	NY296136	INCIN	8-Nov-07	4,748				0	0	110807	HAZMAT			
1	CBZ/SPENT CARBON	HAZ	D001, D002, D021, F002, F005		SIEMANS	VANSOLVNYCF	RECYC	14-Nov-07	1,800	1,800	1,800	0	0	1,800	2264375JJK	WEAVER			
1	CBZ/SPENT CARBON	HAZ	D001, D021, F002		SIEMANS	VANVDMNYAF	RECYC	14-Nov-07	180	180	180	0	0	180	2264375JJK	WEAVER			
1	PETROLEUM NAPHTHA	NON	CRO5		SAFETY CLN		TREAT	16-Nov-07	0	424	0	0	0	424	34101716	SAFETY CLN			
1	CBZ/SPENT CARBON	HAZ	F002, F003, F005		SIEMANS	CHEMNYWW	REJECTED	28-Nov-07	0			0	0		2264376JJK	WEAVER			
13	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	27-Nov-07	0	5,514	5,514	5,514	0	0	3712394JJK	UNITED			
20	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	27-Nov-07	0	7,681	7,681	7,681	0	0	3712394JJK	UNITED			
14	WASTE CBZ	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	27-Nov-07	0	6,548	6,548	6,548	0	0	3712394JJK	UNITED			
10	DMF	HAZ	D001		NORLITE	ST010202	INCIN	27-Nov-07	0	3,434	3,434	3,434	0	0	3712394JJK	UNITED			
9	TOL/METHANOL	HAZ	D001, F003, F005		NORLITE	ST011303	INCIN	27-Nov-07	0	3,186	3,186	3,186	0	0	3712394JJK	UNITED			
1	METHANOL/HCL	HAZ	F005, F003, D001, D002, F002, D021		BRIDGE	2258ESTD2L	INCIN	27-Nov-07	0	285	285	285	0	0	3712393JJK	UNITED			
10	NON REG PTSI RES	NON	CR05		BRIDGE	0928DN4	INCIN	27-Nov-07	0	5,539	0	5,539	0	0	3712393JJK	UNITED			
1	SOLIDS NON HAZ	NON	CR05		BRIDGE	0927DN4	INCIN	27-Nov-07	0	95	0	95	0	0	3712393JJK	UNITED			
19	HAZ WASTE SOLID	HAZ	D021, D022, F002, F003, F005		CLEAN	1373178	INCIN	13-Dec-07	0	5,386	5,386	5,386	0	0	3712395JJK	FREEHOLD			
3	TOL/SPENT CARBON	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	19-Dec-07	0	13,500	13,500	0	0	13,500	2264377JJK	WEAVER			
1	HEP/SPENT CARBON	HAZ	D001		SIEMANS	VANTETRNYCP	RECYC	19-Dec-07	0	3,500	3,500	0	0	3,500	2264377JJK	WEAVER			
17	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	20-Dec-07	0	7,417	7,417	7,417	0	0	3712412JJK	UNITED			
24	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	20-Dec-07	0	8,693	8,693	8,693	0	0	3712412JJK	UNITED			
4	CHLORO BENZENE	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	20-Dec-07	0	1,316	1,316	1,316	0	0	3712412JJK	UNITED			
3	DMF	HAZ	D001		NORLITE	ST010202	INCIN	20-Dec-07	0	950	950	950	0	0	3712412JJK	UNITED			
28	TBU	NON			NORLITE	ST01427N	INCIN	20-Dec-07	0	11,723	0	11,723	0	0	3712412JJK	UNITED			
2	METHANOL/HCL	HAZ	F005, F003, D001, D002, F002, D021		BRIDGE	2258ESTD2L	INCIN	20-Dec-07	0	916	916	916	0	0	3712413JJK	UNITED			
8	NON REG PTSI RES	NON			BRIDGE	0928DN4	INCIN	20-Dec-07	0	4,586	0	4,586	0	0	3712413JJK	UNITED			

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2005 HAZARDOUS WASTE REPORT WORKSHEET - 3rd quarter tax
Rev

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVER lbs	MFST DOC NUM	STATE MFST NUM	HAULER	TONS PER CATEGORY
3	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	18-Jul-07	0	13,500	13,500	0	0	13,500	2264370JJK	ETC LOGISTICS		
##	EMPTY NON REG	NON	ERUM		EQ DET	F0725039WTSDET	TREAT	26-Jul-07	0	7,738	0	0	0	0	2768398JJK	HAZMAT		
11	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	26-Jul-07	0	4,618	4,618	4,618	0	0	2745119JJK	FREEHOLD		
27	LIQUID WASTE	HAZ	D021, F002, F003, F005		NORLITE	ST015103	INCIN	26-Jul-07	0	13,532	13,532	13,532	0	0	2745119JJK	FREEHOLD		
20	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	26-Jul-07	0	5,693	5,693	5,693	0	0	2745119JJK	FREEHOLD		
4	LIQUID WASTE	HAZ	D021, F002, F003, F005		NORLITE	ST015103	INCIN	26-Jul-07	0	1,728	1,728	1,728	0	0	2745119JJK	FREEHOLD		
1	WASTE CBZ	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	26-Jul-07	0	214	214	214	0	0	2745119JJK	FREEHOLD		
3	WASTE CBZ	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	26-Jul-07	0	947	947	947	0	0	2745119JJK	FREEHOLD		
5	DMF	HAZ	D001		NORLITE	ST010202	INCIN	26-Jul-07	0	1,826	1,826	1,826	0	0	2745119JJK	FREEHOLD		
4	AVANEL NON REG	NON			NORLITE	ST007202	INCIN	26-Jul-07	0	1,596	0	0	0	0	2745119JJK	FREEHOLD		
1	SODIUM HYDROX/TOL	HAZ	F005, F003, D001, D002, D021, F002		BRIDGE	1598FD2HFB	INCIN	20-Jul-07	0	461	461	461	0	0	2745124JJK	FREEHOLD		
1	SODIUM HYDROX/TOL	HAZ	F005, F003, D001, D002, D021, F002		BRIDGE	1598FD2HFB	INCIN	20-Jul-07	0	338	338	338	0	0	2745124JJK	FREEHOLD		
1	NON REG PTSI RES	NON	CR05		BRIDGE	0927DN4	RECYC	20-Jul-07	0	526	0	0	0	0	2745124JJK	FREEHOLD		
3	NON REG PTSI RES	NON	CR05		BRIDGE	0927DN4	RECYC	20-Jul-07	0	855	0	0	0	0	2745124JJK	FREEHOLD		
4	NON REG PTSI RES	NON	CR05		BRIDGE	0928DN4	RECYC	20-Jul-07	0	2,294	0	0	0	0	2745124JJK	FREEHOLD		
14	HAZ WASTE SOLID	HAZ	D021, D022, F002, F003, F005		CLEAN	1378178	INCIN	10-Aug-07	0	5,174	5,174	5,174	0	0	2643479JJK	FREEHOLD		
1	SODIUM HYDROX/TOL	HAZ	D002, D005		CLEAN	1453325	INCIN	10-Aug-07	0	458	458	458	0	0	2643479JJK	FREEHOLD		
1	SODIUM HYDROX/TOL	HAZ	D002, D021, F002, F003, F005		CLEAN	1393023	INCIN	10-Aug-07	0	429	429	429	0	0	2643479JJK	FREEHOLD		
1	BCF	HAZ	D002, D003		CLEAN	1434004	INCIN	10-Aug-07	0	406	406	406	0	0	2643479JJK	FREEHOLD		
1	SODIUM HYDROX/TOL	HAZ	D002, D021, F002, F003, F005		CLEAN	1393023	INCIN	10-Aug-07	0	310	310	310	0	0	2643479JJK	FREEHOLD		
1	TOL/PHCF	HAZ	D001, D002, D003, F005		CLEAN	1481169	INCIN	10-Aug-07	0	96	96	96	0	0	2643479JJK	FREEHOLD		
1	PNBC NON REG	NON			CLEAN	709744	TREAT	10-Aug-07	0	346	0	0	0	0	2643479JJK	FREEHOLD		
1	MERCUROUS NITRATE	HAZ	D009		CLEAN	CC11358SP	RECYC	10-Aug-07	0	2	0	0	0	2	2643479JJK	FREEHOLD		
1	NITROPHENOLS	HAZ	U170		CLEAN	CC11358SP	INCIN	10-Aug-07	0	1	1	1	0	0	2643479JJK	FREEHOLD		
1	ANLINE	HAZ	U012		CLEAN		INCIN	10-Aug-07	0	1	1	1	0	0	2643479JJK	FREEHOLD		
1	SILVER NITRATE	HAZ	D001, D011		CLEAN		INCIN	10-Aug-07	0	1	1	1	0	0	2643479JJK	FREEHOLD		
1	ACETYL CHLORIDE	HAZ	D001, D002, D003, U006		CLEAN		INCIN	10-Aug-07	0	1	1	1	0	0	2643479JJK	FREEHOLD		
1	WASTE CFMATES	HAZ	D002		CLEAN	CC11358SP	INCIN	10-Aug-07	0	1	1	1	0	0	2643479JJK	FREEHOLD		
1	SULFUROUS ACID	HAZ	D002		CLEAN		INCIN	10-Aug-07	0	3	3	3	0	0	2643479JJK	FREEHOLD		
1	ISOCYANATES TOXICS	HAZ	D003		CLEAN	CC11358SP	INCIN	10-Aug-07	0	6	6	6	0	0	2643479JJK	FREEHOLD		
1	LIQUID WASTE	HAZ	D001		CLEAN	CC11358SP	INCIN	10-Aug-07	0	3	3	3	0	0	2643479JJK	FREEHOLD		
1	DICHLOROBENZENE	HAZ	U070		CLEAN	CC11358SP	INCIN	10-Aug-07	0	2	2	2	0	0	2643479JJK	FREEHOLD		
1	LIQUID WASTE	HAZ	D024, P024		CLEAN	CC11358SP	INCIN	10-Aug-07	0	3	3	3	0	0	2643479JJK	FREEHOLD		
1	CORROSIVE LIQUIDS	HAZ	D001, D002, U123		CLEAN	CC11358SP	INCIN	10-Aug-07	0	6	6	6	0	0	2643479JJK	FREEHOLD		
1	MORPHOLINE	HAZ	D001, D002		CLEAN		INCIN	10-Aug-07	0	6	6	6	0	0	2643479JJK	FREEHOLD		
1	AMINES/DEA	HAZ	D001, D002, U404, U092		CLEAN		INCIN	10-Aug-07	0	6	6	6	0	0	2643479JJK	FREEHOLD		
1	SODIUM METHYLATE	HAZ	D001, D002, D003		CLEAN		INCIN	10-Aug-07	0	7	7	7	0	0	2643479JJK	FREEHOLD		
1	DIMETHYLDICHLORO	HAZ	D003, F005		CLEAN		INCIN	10-Aug-07	0	2	2	2	0	0	2643479JJK	FREEHOLD		
1	FLAMMABLE LIQUID	HAZ	D001, D028, U077		CLEAN		INCIN	10-Aug-07	0	53	53	53	0	0	2643479JJK	FREEHOLD		
1	INHALATION LIQUID	HAZ	D022		CLEAN		INCIN	10-Aug-07	0	5	5	5	0	0	2643479JJK	FREEHOLD		
1	INHALATION LIQUID	HAZ	D022		CLEAN		INCIN	10-Aug-07	0	6	6	6	0	0	2643479JJK	FREEHOLD		

1	METHYL CF	HAZ	D002		CLEAN		INCIN	10-Aug-07	0	5	5	5	0	0	2643479JJK	FREEHOLD		
1	COR INORGANIC	NON			CLEAN	CC11358SP	TREAT	10-Aug-07	0	1	0	0	0	0	2643479JJK	FREEHOLD		
1	NR RAILROAD TIES	NON			NREC	LO7Y611641	RECYC	16-Aug-07	0	2,500	0	0	0	0	26087	HAZMAT		
2	CBZ/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	16-Aug-07	0	9,000	9,000	0	0	9,000	2264371JJK	WEAVER		
1	CBZ/SPENT CARBON	HAZ	D001, D002, D021, F002, F005		ENVIR	VANSOLVNYCP	RECYC	16-Aug-07	0	1,800	1,800	0	0	1,800	2264371JJK	WEAVER		
2	TOL/SPENT CARBON	HAZ	D001, F005, F002		ENVIR	VANBUSPNYAF	RECYC	16-Aug-07	0	360	360	0	0	360	2264371JJK	WEAVER		
1	ACTIVATED CARBON	NON			ENVIR	01FP0207	RECYC	16-Aug-07	0	1,800	0	0	0	0	2264371JJK	WEAVER		
1	PETROLEUM NAPTHA	NON	CRO5		SAFETY CLN		TREAT	21-Aug-07	0		0	0	0		34672650	SAFETY CLN		
2	TOL/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	14-Sep-07	0	9,000	9,000	0	0	9,000	2264372JJK	ETC LOGISTICS		
1	CBZ/SPENT CARBON	HAZ	D001, D002, D021, F002, F005		ENVIR	VANSOLVNYCP	RECYC	14-Sep-07	0	3,000	3,000	0	0	3,000	2264372JJK	ETC LOGISTICS		
1	HYDROCH/METHANOL	HAZ	F005, F003, D001, D002, F002, D021		BRIDGE	2256ESTD2L	INCIN	26-Sep-07	0	118	118	118	0	0	2763332JJK	UNITED		
7	NON REG PTSI RES	NON	CR05		BRIDGE	0928DN4	RECYC	26-Sep-07	0	3,916	0	0	0	0	2763332JJK	UNITED		
1	NON REG PTSI RES	NON	CR05		BRIDGE	0927DN4	RECYC	26-Sep-07	0	590	0	0	0	0	2763332JJK	UNITED		
26	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	26-Sep-07	0	9,076	9,076	9,076	0	0	2763331JJK	UNITED		
39	ACE/TOL	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	26-Sep-07	0	14,063	14,063	14,063	0	0	2763331JJK	UNITED		
4	CARBAESTER NR	NON	WTS26404		NORLITE	ST01197N	RECYC	26-Sep-07	0	1,515	0	0	0	0	2763331JJK	UNITED		
2	HEP/SPENT CARBON	HAZ	F002, F003, F005		ENVIR	VANCHEMNYWW	RECYC	27-Sep-07	0	9,000	9,000	0	0	9,000	2264373JJK	WEAVER		
1	HEP/SPENT CARBON	HAZ	D001		ENVIR	VANTETRNYCP	RECYC	27-Sep-07	0	2,500	2,500	0	0	2,500	2264373JJK	WEAVER		
1	ACTIVATED CARBON	NON			ENVIR		RECYC	27-Sep-07	0	2,000	2,000	0	0	2,000	2264373JJK	WEAVER		

109,765 59,605 0 50,162

54.8825 29.8025 0 25.081

QTY	DESCRIPTION	WASTE	PROCESS	TSDf	APPROVAL	METHOD	DATE	VOL	TOTAL WT.	HAZ. WT.	INCINERATION	WWT	RECYCLE / REC	DOC	WASTE SUM
															0
										0.00	0.00	0.00	0.00		

AMIDE CHLORIDE0

AVENAL#REF!

BENZYL CHLOROFORMATE#REF!

BUTRYL CHLORIDE#REF!

FC102#REF!

HEGCL#REF!

LAB#REF!

PHENYL CHLOROFORMATE#REF!

PLANT#REF!

PNBC#REF!

PTSI#REF!

TMTC#REF!

phosgene0

miscellaneous#REF!

total#REF!

Rev

0

0

2908 HAZARDOUS WASTE REPORT WORKSHEET

823.1015 1411.9231 tons

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	STATE MFST NUM	HAULER	COSTS DOSPOSAL	COSTS	COSTS
																		TRANS	TAX
3	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	1/7/08	0	13,500	13,500	0	0	13,500	2264378JJK	WEAVER			
1	METH/TOL	HAZ	D001, F003, F005	Carbaester	NORLITE	ST028503	INCIN	1/27/08	4,616	39,380	39,380	39,380	0	0	3718310	BFC			
4	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	CHEMNYWW	RECYC	2/4/08	0	18,000	18,000	0	0	18,000	2264380JJK	ETC LOG			
1	ACTIVATED CARBON	NON			SIEMANS		RECYC	2/4/08	0	4,500	0	0	0	4,500	2264380JJK	ETC LOG			
1	METH/TOL	HAZ	D001, F003, F005	Carbaester	NORLITE	ST028503	INCIN	2/5/08	3,500	30,980	30,980	30,980	0	0	3681732JJK	BFC			
1	METH/TOL	HAZ	D001, F003, F005	Carbaester	NORLITE	ST028503	INCIN	2/8/08	6,500	6,500	6,500	6,500	0	0	3681731JJK	BFC			
22	PETROLEUM NAPHTHA	NON	CRO5		SAFETY CLN		TREAT	2/7/08	557		0	0	0	557	35779623	SAFETY CLN			
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	CHEMNYWW	RECYC	2/14/08	9,000		9,000	0	0		2264381JJK	WEAVER			
39	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	2/13/08	0	14,314	14,314	14,314	0	0	3681787JJK	UNITED			
35	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	2/13/08	0	13,669	13,669	13,669	0	0	3681787JJK	UNITED			
3	CBZ	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	2/13/08	0	1,237	1,237	1,237	0	0	3681787JJK	UNITED			
4	NON REG BZOH	NON			NORLITE	ST039703	INCIN	2/13/08	0	2,016	0	2,016	0	0	3681787JJK	UNITED			
8	N REG PTSI RESIDUE	NON			BRIDGEPT	0928DN4	RECYC	2/13/08	0	3,965	0	0	0	3,965	3681788JJK	UNITED			
26	HAZ WASTE SOLID	HAZ	D021, D022, F002, F003, F005		CLEAN HAR	1378178	INCIN	2/22/08	0	8,404	8,404	8,404	0	0	3681789JJK	HAZMAT			
6	ACE/MCB	HAZ	D001, D003, D021, F003		CLEAN HAR	CH26145WTS	INCIN	2/22/08	0	1,852	1,852	1,852	0	0	3681789JJK	HAZMAT			
1	AMMONIA	HAZ	D021		CLEAN HAR	CH26103WTS	TREAT	2/22/08	0	311	311	0	0	311	3681789JJK	HAZMAT			
2	ALKYL ACIDS	HAZ			CLEAN HAR	CH26064WTS	INCIN	2/22/08	0	545	545	545	0	0	3681789JJK	HAZMAT			
1	PHCF/TOL	HAZ	D001, D002, D003, F005		CLEAN HAR	1481169	INCIN	2/22/08	0	69	69	69	0	0	3681789JJK	HAZMAT			
3	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	2/26/08	0	15,000	15,000	0	0	15,000	2264383JJK	ETC LOG			
13	N REG PTSI RESIDUE	NON	CRO5		BRIDGEPT	0928DN4	RECYC	3/5/08	0	6,834	0	0	0	6,834	3711647JJK	UNITED			
47	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	3/5/08	0	17,995	17,995	17,995	0	0	3711520JJK	UNITED			
10	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	3/5/08	0	2,844	2,844	2,844	0	0	3711520JJK	UNITED			
5	CBZ	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	3/5/08	0	2,430	2,430	2,430	0	0	3711520JJK	UNITED			
3	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	CHEMNYWW	RECYC	4/1/08	0	13,500	13,500	0	0	13,500	2264384JJK	ETC LOG			
9	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	4/4/08	0	4,004	4,004	4,004	0	0	3711532JJK	UNITED			
37	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	4/4/08	0	13,905	13,905	13,905	0	0	3711532JJK	UNITED			
8	CBZ	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	4/4/08	0	3,660	3,660	3,660	0	0	3711532JJK	UNITED			
9	BENZYL ETHER/METH	HAZ	D001, F003		NORLITE	ST01355N	INCIN	4/4/08	0	4,645	4,645	4,645	0	0	3711532JJK	UNITED			
4	BRINE/GLYCOL NON R	NON	NONE		NORLITE	ST034103	INCIN	4/4/08	0	1,821	0	1,821	0	0	3711532JJK	UNITED			
3	N REG PTSI RESIDUE	NON	NONE		BRIDGEPT	0928DN4	RECYC	4/4/08	0	1,829	0	0	0	1,829	3711533JJK	UNITED	QUALITY		
16	HAZ WASTE SOLID	HAZ	D021, D022, F002, F003, F005		CLEAN HAR	1378178	INCIN	4/4/08	0	4,306	4,306	4,306	0	0	3711527JJK	FREEHOLD			
2	HAZ WASTE SOLID	HAZ	D021, D022, F002, F003, F005		CLEAN HAR	1378178	INCIN	4/4/08	0	144	144	144	0	0	3711527JJK	FREEHOLD			
15	PHCF/TOL	HAZ	D001, D002, D003, F005		CLEAN HAR	1481169	INCIN	4/4/08	0	6,255	6,255	6,255	0	0	3711527JJK	FREEHOLD			
9	PHCF/TOL	HAZ	D001, D002, D003, F005		CLEAN HAR	1481169	INCIN	4/4/08	0	3,809	3,809	3,809	0	0	3711527JJK	FREEHOLD			
1	HYDRAZINE ANHYD	HAZ	U133, D001, D002		CLEAN HAR	LRCTB	INCIN	4/4/08	0	20	20	20	0	0	3711527JJK	FREEHOLD			
1	HYDRAZINE AQUEOUS	HAZ	U133, D001, D002		CLEAN HAR	LRCTB	INCIN	4/4/08	0	5	5	5	0	0	3711527JJK	FREEHOLD			
18	STILLBOTTOMS PHCF	NON	NONE		CLEAN HAR	1378189	INCIN	4/4/08	0	6,797	0	6,797	0	0	3711527JJK	FREEHOLD			
1	STILLBOTTOMS PHCF	NON	NONE		CLEAN HAR	1378189	INCIN	4/4/08	0	479	0	479	0	0	3711527JJK	FREEHOLD			

2008 HAZARDOUS WASTE REPORT WORKSHEET

823.1015 1411.9231 tons

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	STATE MFST NUM	HAULER	COSTS DOSPOSAL	COSTS	COSTS
																		TRANS	TAX
1	HYDRAZINE / TOLUENE	HAZ	D001, F005	BzCz	NORLITE	PO29146	INCIN	4/21/08	0	34,900	34,900	34,900	0	0	3677235JJK	BFC			
9	DMF	HAZ	D001		NORLITE	ST010202	INCIN	4/24/08	0	3,626	3,626	3,626	0	0	3711540JJK	UNITED			
43	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	4/24/08	0	16,706	16,706	16,706	0	0	3711540JJK	UNITED			
4	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	4/24/08	0	1,605	1,605	1,605	0	0	3711540JJK	UNITED			
19	N REG PTSI RESIDUE	NON	NONE		BRIDGEPT	0928DN4	RECYC	4/24/08	0	10,880	0	0	0	10,880	3711541JJK	UNITED			
1	HYDRAZINE/TOLUENE	HAZ	D001, F005	BzCz	NORLITE	PO4080800	INCIN	4/28/08	0	44,118	44,118	44,118	0	0	4278586JJK	BFC			
23	PETROLEUM NAPTHA	NON	CRO5		SAFETY CLN		TREAT	4/29/08	557		0	0	0	557	36306194	SAFETY CLN			
7	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	CHEMNYWW	RECYC	5/1/08	0	31,500	31,500	0	0	31,500	2264386JJK	ETC LOG			
1	HYDRAZINE/TOLUENE	HAZ	D001, F005	BzCz	NORLITE	PO40808001	INCIN	5/5/08	0	47,700	47,700	47,700	0	0	4278585JJK	BFC			
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	5/7/08	0	9,000	9,000	0	0	9,000	2264387JJK	ETC LOG			
1	HEP/SPENT CARBON	HAZ	D001		SIEMANS	VANTETRNYP	RECYC	5/7/08	0	4,500	4,500	0	0	4,500	2264387JJK	ETC LOG			
2	CBZ	HAZ	F002		SIEMANS	VANVDMNYCF	RECYC	5/7/08	0	360	360	0	0	360	2264387JJK	ETC LOG			
1	HYDRAZINE/TOLUENE	HAZ	D001, F005	BzCz	NORLITE	PO4080800	INCIN	5/9/08	0	46,872	46,872	46,872	0	0	4278584JJK	BFC			
1	HYDRAZINE/TOLUENE	HAZ	D001, F005	BzCz	NORLITE	PO40808001	INCIN	5/14/08	0	38,025	38,025	38,025	0	0	4278583JJK	BFC			
3	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	5/16/08	0	13,500	13,500	0	0	13,500	2264388JJK	ETC LOG			
1	HYDRAZINE/TOLUENE	HAZ	D001, F005		NORLITE	PO40808001	INCIN	5/23/08	0	42,960	42,960	42,960	0	0	4278587JJK	BFC			
73	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004500	INCIN	5/28/08	0	28,032	28,032	28,032	0	0	3674712JJK	UNITED			
6	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	5/28/08	0	2,310	2,310	2,310	0	0	3674712JJK	UNITED			
4	DMF/TOL	HAZ	D001, F003, F005		NORLITE	ST023302	INCIN	5/28/08	0	1,561	1,561	1,561	0	0	3674712JJK	UNITED			
3	NAOH/TOL	HAZ	F005, F003, D001, D002, D021, F002		BRIDGEPT	1598FD2HFB	RECYC	5/28/08	0	1,624	1,624	0	0	1,624	3674824JJK	UNITED			
2	BOH	NON	NONE		NORLITE	ST039703	INCIN	5/28/08	0	800	0	800	0	0	29642	UNITED			
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	5/29/08	0	9,000	9,000	0	0	9,000	2264389JJK	ETC LOG			
2	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	6/13/08	0	9,000	9,000	0	0	9,000	2264390JJK	ETC LOG			
32	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	6/12/08	0	11,208	11,208	11,208	0	0	3674992JJK	UNITED			
24	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	6/12/08	0	9,796	9,796	9,796	0	0	3674992JJK	UNITED			
4	AVANEL NON REG	NON			NORLITE	29762	INCIN	6/12/08	0	1,656	0	1,656	0	0	3674992JJK	UNITED			
9	SODIUM HYD / TOL	HAZ	F005, F003, D001, D002, D021, F002		BRIDGEPT	1598FD2HFB	INCIN	6/12/08	0	2,561	2,561	2,561	0	0	3674997JJK	UNITED			
1	SOLIDS NON REG	NON			BRIDGEPT	0927DN4	INCIN	6/12/08	0	116	0	116	0	0	3674997JJK	UNITED			
26	HAZ WASTE SOLID	HAZ	D021, D022, F002, F003, F005		CLEAN HAR	1378178	INCIN	6/12/08	0	9,016	9,016	9,016	0	0	3674993JJK	FREEHOLD			
1	PHCF/TOL	HAZ	D001, D002, D003, F005		CLEAN HAR	1481169	INCIN	6/12/08	0	339	339	339	0	0	3674993JJK	FREEHOLD			
1	NAOH	HAZ	D002, D005		CLEAN HAR	1453325	TREAT	6/12/08	0	529	529	0	0	529	3674993JJK	FREEHOLD			
4	NAOH	HAZ	D002, D021, F002, F003, F005		CLEAN HAR	1393023	INCIN	6/12/08	0	1,624	1,624	1,624	0	0	3674993JJK	FREEHOLD			
2	DODECANOYL CLOR	HAZ	D002		CLEAN HAR	CH26591	INCIN	6/12/08	0	622	622	622	0	0	3674993JJK	FREEHOLD			
12	BCZ/TOL	HAZ	D001, F005		CLEAN HAR	CH26783	INCIN	6/12/08	0	5,036	5,036	5,036	0	0	3674993JJK	FREEHOLD			
3	CBZ	HAZ	FOO2, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	7/8/08	0	13,500	13,500	0	0	13,500	2264391JJK	WEAVER			
3	SPENT CARBON/TOL	HAZ	D001, F005		SIEMANS	VANTOLUNYCP	RECYC	7/8/08	0	4,800	4,800	0	0	4,800	2264391JJK	WEAVER			
3	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	CHEMNYWW	RECYC	7/21/08	0	13,500	13,500	0	0	13,500	2264392JJK	ETC LOG			
1	ACTIVATED CARBON	NON			SIEMANS		RECYC	7/21/08	0	4,500	4,500	0	0	4,500	2264392JJK	ETC LOG			
23	PETROLEUM NAPTHA	NON	CRO5		SAFETY CLN		TREAT	7/22/08	557		0	0	0	557	38664272	SAFETY CLN			

2008 HAZARDOUS WASTE REPORT WORKSHEET

823.1015 1411.9231 tons

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	STATE MFST NUM	HAULER	COSTS DOSPOSAL	COSTS	COSTS
																		TRANS	TAX
1	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	TREAT	7/28/08	0	REJECTED	REJECTED	0	REJECTED	0	2264393JJK	WEAVER			
1	CBZ	HAZ	D001, D002, D021, F002, F005		SIEMANS	VANSOLNYCP	TREAT	7/28/08	0	REJECTED	REJECTED	0	REJECTED	0	2264393JJK	WEAVER			
15	HAZ WASTE SOLID	HAZ	D021, D022, F002, F003, F005		CLEAN HAR	1378178	INCIN	7/28/08	0	5,124	5,124	5,124	0	0	3711996JJK	HAZMAT			
10	2-CMBSA NON REG	NON			CLEAN HAR	CH26931WTS	INCIN	7/28/08	0	790	0	790	0	0	3711996JJK	HAZMAT			
22	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	7/28/08	0	7,439	7,439	7,439	0	0	3711997JJK	UNITED			
44	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST004502	INCIN	7/28/08	0	17,295	17,295	17,295	0	0	3711997JJK	UNITED			
7	CBZ	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	7/28/08	0	3,213	3,213	3,213	0	0	3711997JJK	UNITED			
2	BRINE/GLYCOL NON R	NON			NORLITE	ST034103	INCIN	7/28/08	0	468	0	468	0	0	3711997JJK	UNITED			
4	CBZ	HAZ	D001, D021, F002		NORLITE	ST040003	INCIN	7/28/08	0	1,840	1,840	1,840	0	0	3711997JJK	UNITED			
6	PTSI NON REG	NON			BRIDGEPT	0928DN4	RECYC	7/28/08	0	3,428	0	0	0	3,428	3711998JJK	UNITED			
1	WASTE NON REG	NON			BRIDGEPT	0928DLHN1	RECYC	7/28/08	0	426	0	0	0	426	3711998JJK	UNITED			
11	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST-0045-02	INCIN	8/7/08	0	4,616	4,616	4,616	0	0	3711722JJK	UNITED			
2	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST-0045-02	INCIN	8/7/08	0	533	533	533	0	0	3711722JJK	UNITED			
19	PNBC NON REG	NON			NORLITE	ST-0212-03	INCIN	8/7/08	0	7,341	0	7,341	0	0	3711722JJK	UNITED			
34	SODIUM HYD / TOL	HAZ	F005, F003, D001, D002, D021, F002		BRIDGEPT	1598FD2HFB	INCIN	8/7/08	0	15,502	15,502	15,502	0	0	3711723JJK	UNITED			
3	PTSI RESIDUE	HAZ	D001, D003, D021, F003		CLEAN HAR	CH26145WTS	INCIN	8/7/08	0	1,490	0	1,490	0	0	3711723JJK	UNITED			
3	CBZ	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	8/25/08	0	13,500	13,500	0	0	13,500	2264394JJK	WEAVER			
4	UNIVERSAL LAMPS 4"	NON			BETH		RECYC	29-Aug-08	0	200	0	0	0	200	2	FREEHOLD			
1	UNIVERSAL LAMPS 4"	NON			BETH		RECYC	29-Aug-08	0	100	0	0	0	100	2	FREEHOLD			
3	CBZ	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	9/5/08	0	13,500	13,500	0	0	13,500	2264395JJK	WEAVER			
1	CBZ	HAZ	F002, F003, F005		SIEMANS	VANSOLNYCP	RECYC	9/5/08	0	1,800	1,800	0	0	1,800	2264395JJK	WEAVER			
1	PTSI NON REG	NON	CRO5		BRIDGEPT	0928DN4	RECYC	9/16/08	0	9,182	0	0	0	9,182	3711733JJK	UNITED			
2	TEU/WATER NON REG	NON			NORLITE	ST-0200-03	INCIN	9/16/08	0	576	0	576	0	0	WTS30930	UNITED			
1	DICBZ	HAZ	F002		NORLITE	PO8210800SH1HH	INCIN	9/16/08	0	163	163	163	0	0	3711732JJK	UNITED			
11	CBZ	HAZ	D001, D021, F002		NORLITE	ST-0400-03	INCIN	9/16/08	0	5,511	5,511	5,511	0	0	3711732JJK	UNITED			
15	CBZ	HAZ	D001, D021, F002		NORLITE	ST-0400-03	INCIN	9/16/08	0	7,200	7,200	7,200	0	0	3711732JJK	UNITED			
31	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST-0045-02	INCIN	9/16/08	0	10,894	10,894	10,894	0	0	3711732JJK	UNITED			
10	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	ST-0045-02	INCIN	9/16/08	0	4,148	4,148	4,148	0	0	3711732JJK	UNITED			
2	CLBZ SPENT CARBON	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	9/17/08	0	9,000	9,000	0	0	9,000	2264397JJK	WEAVER			
1	SPENT CARBON/TOL	HAZ	D001, F005		SIEMANS	VANTOLUNYCP	RECYC	9/17/08	0	1,800	1,800	0	0	1,800	2264397JJK	WEAVER			
3	CLBZ SPENT CARBON	HAZ	F002, D021, D001		SIEMANS	VANVDMNYCF	RECYC	9/17/08	0	540	540	0	0	540	2264397JJK	WEAVER			
1	DEA/TOL	HAZ	D001		NORLITE	WTS31085	INCIN	9/23/08	0	45,000	45,000	45,000	0	0	3674609JJK	HAZMAT			
1	ACE/MCB	HAZ	D001, D003, D021, F003		CLEAN HAR	CH26145WTS	INCIN	9/26/08	0	279	279	279	0	0	3711731JJK	FREEHOLD			
14	HAZ WASTE SOLID	HAZ	D021, D022, F002, F003, F005		CLEAN HAR	1378178	INCIN	9/26/08	0	3,977	3,977	3,977	0	0	3711731JJK	FREEHOLD			
3	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	10/1/08	0	13,500	13,500	0	0	13,500	2264396JJK	WEAVER			
3	SPENT CARBON/TOL	HAZ	F005, D001		SIEMANS	VANTOLUNYCP	RECYC	10/1/08	0	5,400	5,400	0	0	5,400	2264396JJK	WEAVER			
1	HYDRAZINE HYD/TOL	HAZ	D001, F005		NORLITE	WTS31002	INCIN	10/8/08	0	33,440	33,440	33,440	0	0	4398127JJK	BFC			
68	TOL/ACETONE	HAZ	D001, D021, D022, F002, F003, F005		NORLITE	3676853JJK	INCIN	10/9/08	0	25,371	25,371	25,371	0	0	3676853JJK	UNITED			

2008 HAZARDOUS WASTE REPORT WORKSHEET

823.1015 1411.9231 tons

QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	PROCESS GEN WASTE	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WW WT lbs	RECYCLE RECOVERY lbs	STATE MFST NUM	HAULER	COSTS DOSPOSAL	COSTS	COSTS
																		TRANS	TAX
			D001, D021, D022, F002, F003, F005																
1	TOL/ACETONE	HAZ			NORLITE	3676853JJK	INCIN	10/9/08	0	440	440	440	0	0	3676853JJK	UNITED			
2	DEA/TOL	HAZ	F005, D001		NORLITE	3676853JJK	INCIN	10/9/08	0	771	771	771	0	0	3676853JJK	UNITED			
19	DEA/TOL	HAZ	F005, D001		NORLITE	3676853JJK	INCIN	10/9/08	0	8,782	8,782	8,782	0	0	3676853JJK	UNITED			
5	CBZ	HAZ	D001, D021, F002		NORLITE	3676853JJK	INCIN	10/9/08	0	2,063	2,063	2,063	0	0	3676853JJK	UNITED			
1	CBZ	HAZ	D001, D021, F002		NORLITE	3676853JJK	INCIN	10/9/08	0	400	400	400	0	0	3676853JJK	UNITED			
1	HYDRAZINE HYD/TOL	HAZ	D001, F005		NORLITE	WTS31003	INCIN	10/10/08	0	35,200	35,200	35,200	0	0	4398128JJK	BFC			
23	PETROLEUM NAPTHA	NON	CRO5		SAFETY CLN		TREAT	10/17/08		557	0	0	0	557	36306194	SAFETY CLN			
1	HYDRAZINE HYD/TOL	HAZ	D001, F005		NORLITE	WTS31313	INCIN	10/16/08	0	37,520	37,520	37,520	0	0	4398129JJK	BFC			
			D001, D021, D022, F002, F003, F005																
1	TOL/ACETONE	HAZ			NORLITE	ST004502	INCIN	10/20/08	0	30,777	30,777	30,777	0	0	3674668JJK	BFC			
1	HYDRAZINE HYD/TOL	HAZ	D001, F005		NORLITE		INCIN	10/24/08	0	37,340	37,340	37,340	0	0	4398130JJK	BFC			
1	PTSI NON REG	NON	CRO5		BRIDGEPT	WTS31350	RECYC	10/30/08	0	106	0	0	0	106	3711805JJK	UNITED			
6	PTSI NON REG	NON	CRO5		BRIDGEPT	WTS31350	RECYC	10/30/08	0	3,466	0	0	0	3,466	3711805JJK	UNITED			
2	PNBC NON REG	NON			NORLITE	ST-0212-03	INCIN	10/30/08	0	4,568	0	4,568	0	0	WTS31350	UNITED			
16	PNBC NON REG	NON			NORLITE	ST-0212-03	INCIN	10/30/08	0	5,787	0	5,787	0	0	WTS31350	UNITED			
13	BOH	NON			NORLITE	ST-0397-03	INCIN	10/30/08	0	5,341	0	5,341	0	0	WTS31350	UNITED			
3	PNBC NON REG	NON			NORLITE	ST-0212-03	INCIN	10/30/08	0	1,200	0	1,200	0	0	WTS31350	UNITED			
			D001, D021, D022, F002, F003, F005																
12	TOL/ACETONE	HAZ			NORLITE	ST-0045-02	INCIN	10/30/08	0	4,139	4,139	4,139	0	0	3711804JJK	UNITED			
			D001, D021, D022, F002, F003, F005																
17	TOL/ACETONE	HAZ			NORLITE	ST-0045-02	INCIN	10/30/08	0	7,208	7,208	7,208	0	0	3711804JJK	UNITED			
2	DMF	HAZ	D001		NORLITE	ST-0102-02	INCIN	10/30/08	0	292	292	292	0	0	3711804JJK	UNITED			
3	DEA/TOL	HAZ	F005, D001		NORLITE	ST-0148-02	INCIN	10/30/08	0	4,259	4,259	4,259	0	0	3711804JJK	UNITED			
			D021, F002, F003, F005																
1	LIQUID HAZ WASTE	HAZ			NORLITE	ST015103	INCIN	11/4/08	0	25,140	25,140	25,140	0	0	4398344JJK	HAZMAT			
1	HYDRAZINE HYD/TOL	HAZ	D001, F005		NORLITE	40808001	INCIN	11/4/08	0	37,940	37,940	37,940	0	0	4398131JJK	BFC			
4	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	VANCHEMNYWW	RECYC	11/6/08	0	18,000	18,000	0	0	18,000	2264398JJK	ETC LOG			
1	HYDRAZINE HYD/TOL	HAZ	D001, F005		NORLITE	WTS31314	INCIN	11/5/08	0	39,680	39,680	39,680	0	0	4398290JJK	BFC			
42	NITROBZL CHLORIDE	HAZ	D003		CLEAN HAR	CH1530515	INCIN	11/7/08	0	4,158	4,158	4,158	0	0	3680743JJK	FREEHOLD			
			D021, D022, F002, F003, F005																
21	HAZ WASTE SOLID	HAZ			CLEAN HAR	1378178-1	INCIN	11/7/08	0	6,404	6,404	6,404	0	0	3680743JJK	FREEHOLD			
			D021, D022, F002, F003, F005																
1	HAZ WASTE SOLID	HAZ			CLEAN HAR	1378178-1	INCIN	11/7/08	0	435	435	435	0	0	3680743JJK	FREEHOLD			
1	WST MECURY	HAZ	D009		CLEAN HAR	CC16092	INCIN	11/7/08	0	8	8	8	0	0	3680743JJK	FREEHOLD			
			D001, D002, D003, F005																
1	LIQUID HAZ WASTE	HAZ			CLEAN HAR	1481169	INCIN	11/7/08	0	429	429	429	0	0	3680743JJK	FREEHOLD			
			D001, D002, D003, F005																
2	LIQUID HAZ WASTE	HAZ			CLEAN HAR	CH26783WTS	INCIN	11/7/08	0	695	695	695	0	0	3680743JJK	FREEHOLD			
			D001, D003, D021, F003																
3	ACE/MCB	HAZ			CLEAN HAR	CH26145WTS	INCIN	10/28/08	0	1,484	1,484	1,484	0	0	33674669JJK	DART			
1	METH/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	11/14/08	0	48,380	48,380	48,380	0	0	226440JJK	FRANKS			
1	HYDRAZINE HYD/TOL	HAZ	D001, F005		NORLITE		INCIN	11/17/08	0	34,800	34,800	34,800	0	0	4398289JJK	BFC			
1	METH/TOL	HAZ	D001, F003, F005		NORLITE	ST028503	INCIN	11/14/08	0	41,480	41,480	41,480	0	0	2264399JJK	BFC			
16	2-CMBSA NON REG	NON			EQ IND	K0827509WTSIND	INCIN	11/20/08	0	1,200	0	1,200	0	0	4398449JJK	HAZMAT			
1	HYDRAZINE HYD/TOL	HAZ	D001, F005		NORLITE	WTS31316	INCIN	11/21/08	0	37,680	37,680	37,680	0	0	4398288JJK	BFC			
1	HYDRAZINE HYD/TOL	HAZ	D001, F005		NORLITE	WTS	INCIN	11/25/08	0	39,260	39,260	39,260	0	0	4398287JJK	UNITED			
3	SPENT CARBON/TOL	HAZ	F002, F003, F005		SIEMANS	CHEMNYWW	RECYC	12/1/08	0	13,500	13,500	0	0	13,500	2264401JJK	WEAVER			
			D001, D002, D021, F002, F005																
1	CBZ	HAZ			SIEMANS	SOLVNYCP	RECYC	12/1/08	0	1,800	1,800	0	0	1,800	2264401JJK	WEAVER			
1	HYDRAZINE/TOLUENE	HAZ	D001, F005		NORLITE	WTS31317	INCIN	12/2/08	0	38,160	38,160	38,160	0	0	4398286JJK	BFC			
1	HYDRAZINE/TOLUENE	HAZ	D001, F005		NORLITE	WTS131812	INCIN	12/3/08	0	18,920	18,920	18,920	0	0	2264402JJK	UNITED			
1	WATER/HEGCL NON	NON			NORLITE	ST00975N	INCIN	12/19/08	0	433	0	433	0	0	WTS31800	UNITED			
2	NON REG BZOH	NON			NORLITE	ST039703	INCIN	12/19/08	0	909	0	909	0	0	WTS31800	UNITED			
19	N REG PTSI RESIDUE	NON	CRO5		BRIDGEPT	0928DN4	RECYC	12/19/08	0	10,885	0	0	0	10,885	3680754JJJ	UNITED			

Monthly summary

	Tons Waste	Estimated Yearly total
January	26	317
February	60	518
March	12	392
April	78	527
May	138	754
June	25	750
July	36	692
August	17	705
September	52	643
October	123	607
November	130	858
December		
Total	697	

2009 HAZARDOUS WASTE REPORT WORKSHEET

L = LANDFILL
B = INCINERATION
T = TREATED
R = RECYCLE

547.84625 559.67375																			
QTY	WASTE DESCRIPTION	HAZ/ NON	EPA CODES	TSDF	APPROVAL CODE	DISP METHOD	SHIP DATE	DISP VOL gals	DISP WT lbs	HAZ WT lbs	INCINERATION WT lbs	WWW WT lbs	RECYCLE RECOVERY lbs	STATE MEST NUM	HAULER	COSTS DISPOSAL	COSTS TRANS	COSTS TAX	
2	NON REG MATERIAL	NON		BETHLEHEM APPARATUS			9/17/09		77					S188441	FREEHOLD				
1	NON REG MATERIAL	NON		BETHLEHEM APPARATUS			9/17/09		19					S188441	FREEHOLD				
1	NON REG MATERIAL	NON		BETHLEHEM APPARATUS			9/17/09		22					S188441	FREEHOLD				
3	HEPTANE/HCL	HAZ	D001, D002, D022	BRIDGEPORT	2050900	INCIN	2/24/09		1,293	1,293	1,293			3681045JJK	UNITED				
1	HAZ WST SOLID	HAZ	D022	BRIDGEPORT	WTS# 33025	INCIN	4/17/09		245	245	245			003681048 JJK	UNITED				
9	NON REG MATERIAL	NON	CR05	BRIDGEPORT	WTS # 33025		4/17/09		5,000					003681048 JJK	UNITED				
			D021, D022, F002, F003, F005																
1	HAZ WST SOLID	HAZ	F003, F005	BRIDGEPORT	WTS#33787	INCIN	7/9/09		458	458	458			003675824 JJK	UNITED				
8	NON REG MATERIAL	NON	CR05	BRIDGEPORT	WTS#33787		7/9/09		1,576	0	0			003675824 JJK	UNITED				
2	NON REG MATERIAL	NON	CR05	BRIDGEPORT	WTS# 34068		7/30/09		1,083	0	0			003675827 JJK	UNITED				
			F005, F003,D001, D002, D021																
1	WASTE FLAMMABLE LIQ	HAZ	D002, D021	BRIDGEPORT	WTS# 34726 WO# J0929090036	INCIN	10/15/09		526	526	526			003683593 JJK	UNITED				
23	NON REG MATERIAL	NON	CR05	BRIDGEPORT	WTS# 34726 WO# J0929090036		10/15/09		8,600					003683593 JJK	UNITED				
			D021, D022, F002, F003, F005																
16	HAZ WST SOLID	HAZ	F005	CLEAN	1378178-1	INCIN	1/15/09		4,499	4,499	4,499			3681061JJK	FREEHOLD				
1	SODIUM HYDROXIDE	HAZ	D002, D005	CLEAN	1453325	TREAT	1/15/09		468	468		468		3681061JJK	FREEHOLD				
13	NON REG MATERIAL Changed to Haz	HAZ	D002	CLEAN HARBORS		INCIN	7/30/08		8,500	8,500	8,500								
			D021, D022, F002, F003, F005																
15	HAZ WST SOLID	HAZ	F003,F005	CLEAN HARBORS	1378178-1	INCIN	3/18/09		3,171	3,171	3,171			003681055 JJK	CLEAN HARBORS				
			D021, D022, F002, F003, F005																
11	HAZ WST SOLID	HAZ	F003, F005	CLEAN HARBORS	WTS# 33058	INCIN	4/21/09		3,201	3,201	3,201			003681049 JJK	HAZMAT				
3	WASTE FLAMMABLE LIQ	HAZ	D001, F002, D021	CLEAN HARBORS	WTS # 33058	INCIN	4/21/09		1,074	1,074	1,074			003681049 JJK	HAZMAT				
1	HAZ WST SOLID	HAZ	D021	CLEAN HARBORS	WTS# 33058	INCIN	4/21/09		274	274	274			003681049 JJK	HAZMAT				
			D021,D022,F002,F003, F005																
22	HAZ WST SOLID	HAZ	F005	CLEAN HARBORS	S#33587 LOAD#215848 SO#D22360001 - 13781	INCIN	6/19/09		7,650	7,650	7,650			003675821 JJK	HAZMAT				
			D021,D022,F002,F003, F005																
31	HAZ WST SOLID	HAZ	F005	CLEAN HARBORS	S#33587 LOAD#215848 SO#D22360001 - 13781	INCIN	6/19/09		5,864	5,864	5,864			003675821 JJK	HAZMAT				
			D021,D022,F002,F003, F005																
1	HAZ WST SOLID	HAZ	F005	CLEAN HARBORS	S#33587 LOAD#215848 SO#D22360001 - 13781	INCIN	6/19/09		1,173	1,173	1,173			003675821 JJK	HAZMAT				
2	NON REG MATERIAL	NON		CLEAN HARBORS	33587 LOAD#215848 SO#D22360001 - CH26931WTS		6/19/09		603	0	0			003675821 JJK	HAZMAT				
16	HAZ WST SOLID (reject from Norlite)	HAZ	1408339	CLEAN HARBORS	WTS#33787	INCIN	7/9/09		5,162	5,162	5,162			003675824 JJK	UNITED				
			D021, D022, F002, F003, F005																
13	HAZ WST SOLID	HAZ	F003, F005	CLEAN HARBORS	WTS#33854 LOAD#216651	INCIN	7/23/09		3,426	3,426	3,426			003675834 JJK	HAZMAT				
1	WASTE ISOCYANATES	HAZ	D001	CLEAN HARBORS	WTS#33854 LOAD#216651	INCIN	7/23/09		25	25	25			003675834 JJK	HAZMAT				
1	WASTE - SODIUM HYDROXIDE	HAZ	D002, D005	CLEAN HARBORS	WTS# 34360 LOAD# 217242	TREAT	8/28/09		415	415		415		003683585 JJK	HAZMAT				
			D021, D022, F002, F003, F005																
6	HAZ WASTE SOLID	HAZ	F003, F005	CLEAN HARBORS	WTS# 34360 LOAD# 217242	INCIN	8/28/09		1,572	1,572	1,572			003683585 JJK	HAZMAT				
4	WASTE FLAMMABLE LIQ	HAZ	D001, D003, F005	CLEAN HARBORS	WTS# 34360 LOAD# 217242	INCIN	8/28/09		2,228	2,228	2,228			003683585 JJK	HAZMAT				
4	WASTE CORROSIVE LIQUIDS	HAZ	D002, D021, F002	CLEAN HARBORS	WTS# 34360 LOAD# 217242	INCIN	8/28/09		1,450	1,450	1,450			003683585 JJK	HAZMAT				
6	NONREG - REJECTED AS HAZ	HAZ	D002	CLEAN HARBORS			10/15/09		3,090	3,090									
1	WASTE FLAMMABLE LIQ	HAZ	D001, D003, F005	CLEAN HARBORS	WTS# 37428 LOAD# 217882	INCIN	10/21/09		320	320	320			003683591 JJK	CLEAN HARBORS				
			D001, D003, D021, F003																
2	WASTE FLAMMABLE LIQ	HAZ	F003	CLEAN HARBORS	WTS# 37428 LOAD# 217882	INCIN	10/21/09		764	764	764			003683591 JJK	CLEAN HARBORS				
			D001, D003, D021, F003																
3	WASTE FLAMMABLE LIQ	HAZ	F003	CLEAN HARBORS	WTS# 37428 LOAD# 217882	INCIN	10/21/09		1,488	1,488	1,488			003683591 JJK	CLEAN HARBORS				
			D021, D022, F002, F003, F005																
13	HAZ WASTE SOLID	HAZ	F003, F005	CLEAN HARBORS	WTS# 37428 LOAD# 217882	INCIN	10/21/09		4,376	4,376	4,376			003683591 JJK	CLEAN HARBORS				
15	NON REG MATERIAL	NON	CF	COVANTA	WTS PO#33136		5/11/09		1,725	0	0			33136	HAZMAT				
21	NON REG MATERIAL	NON		COVERTE	7923	INCIN	2/18/09		2,100					32526	HAZMAT				
13	NON REG MATERIAL	NON		EQ DETROIT	WTS #33856		7/13/09		1,628	0	0			003675826 JJK	FREEHOLD				
1	HYDRAZINE HYD/TOL	HAZ	D001, F005	NORLITE	WTSPO32393	INCIN	2/10/09		33,780	33,780	33,780			4731862JJK	BFC				
1	HYDRAZINE HYD/TOL	HAZ	D001, F005	NORLITE	ERO131	INCIN	2/17/09		38,000	38,000	38,000			32394	BFC				
8	CHLOROBENZENE	HAZ	D001, D021, F002	NORLITE	ST040003	INCIN	2/24/09		3,105	3,105	3,105			3681046JJK	UNITED				
			D001, D021, D022, F002, F003, F005																
24	ACE/TOL	HAZ	F003, F005	NORLITE	ST004502	INCIN	2/24/09		9,969	9,969	9,969			3681046JJK	UNITED				
			D001, D021, D022, F002, F003, F005																
36	ACE/TOL	HAZ	F003, F005	NORLITE	ST004502	INCIN	2/24/09		15,641	15,641	15,641			3681046JJK	UNITED				
1	HYDRAZINE HYD/TOL	HAZ	D001, F005	NORLITE	32395	INCIN	2/24/09		39,360	39,360	39,360			4731860JJK	BFC				
1	HYDRAZINE HYD/TOL	HAZ	D001, F005	NORLITE	32602	INCIN	3/3/09		41,280	41,280	41,280			4731859JJK	BFC				
1	HYDRAZINE HYD/TOL	HAZ	D001, F005	NORLITE	PO40808001FGMS	INCIN	3/10/09		41,220	41,220	41,220			004731858JJK	BFC				
1	HYDRAZINE HYD/TOL	HAZ	D001, F005	NORLITE	PO40808001FGMS	INCIN	3/17/09		39,780	39,780	39,780			004731857 JJK	BFC				
1	HYDRAZINE HYD/TOL	HAZ	D001, F005	NORLITE	PO40808001FGMS	INCIN	3/24/09		39,780	39,780	39,780			004731856 JJK	BFC				
			PO40808001FGMS WTS PO																

VDM00750

L = LANDFILL
B = INCINERATION
T = TREATED
R = RECYCLE

Tons Hz Waste 559.67375

Monthly summary

	Tons Waste	Estimated Yearly total
January	1	9
February	9	57
March	14	94
April	8	94
May	131	390
June	87	500
July	128	649
August	27	608
September	28	578
October	86	623
November		
December		
Total	519	

2010 HAZARDOUS WASTE REPORT WORKSHEET

419.2945

SHIP DATE	QTY	WASTE DESCRIPTION	HAZ WASTE	HAZ NON	PROCESS	TSDF	APPROVAL CODE	STATE MANIFEST NUMBER	DISP METHOD	HAZ WT LBS	HAZ WT IN GALLONS	NONHAZ WT LBS	SHIP WEIGHTS LBS	REC'D WEIGHTS LBS	REC'D WT IN GALLONS
01/08/10	5	HAZ WASTE SOLID	spend carbon				SIEMENS	VAN-CHEMNY-WW	002264415JJK	RECYCLE	22,500		22,500	18,843	
01/08/10	1	HAZ WASTE SOLID	spend carbon				SIEMENS	VAN-SOLVNY-CP	002264415JJK	RECYCLE	1,800		1,800	2,800	
01/08/10	2	HAZ WASTE SOLID	spend carbon				SIEMENS	VAN-TOLUNY-CP	002264415JJK	RECYCLE	3,600		3,600	3,437	
01/14/10	1	FLAMMABLE LIQUID	toluene, sodium hydroxide				BRIDGEPORT	1598FD2HFB	003675435JJK	INCINERATE	246		246	246	
01/14/10	17	NON-REGULATED	ptsi residue				BRIDGEPORT	0928DN4	003675435JJK			9,134	9,134	7,874	
02/05/10	2	HAZ WASTE LIQ	2 rejected drums from manifest 003675435				CLEAN HABOURS	1408339	003675426JJK	INCINERATE	1,260		1,260	1,260	
01/14/10	39	HAZ WASTE SOLID					CLEAN HABOURS	1378178-1	003675439JJK	INCINERATE	10,837		10,837	10,837	
01/14/10	1	WASTE CORROSIVE LIQ	dodecanoyl chloride		Lauroyl Chloride		CLEAN HABOURS	CH26592WTS	003675439JJK	INCINERATE	407		407	407	
01/14/10	1	HAZ WASTE SOLID					CLEAN HABOURS	1378178-1	003675439JJK	INCINERATE	410		410	410	
01/14/10	32	WASTE FLAMMABLE LIQ	acetone, toluene				NORLITE	ST-0045-02	003675436JJK	INCINERATE	14,812		14,812	14,812	
01/14/10	20	WASTE FLAMMABLE LIQ	acetone, toluene				NORLITE	ST-0045-02	003675436JJK	INCINERATE	7,800		7,800	7,800	
01/14/10	12	WASTE	n,n-dimethylformamide				NORLITE	ST-0102-02	003675436JJK	INCINERATE	5,042		5,042	5,042	
01/14/10	4	NON-REGULATED	teu & water				NORLITE	ST-0200-03	003675436JJK			1,424	1,424	1,424	
01/15/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene		Benzyl Carbazate		NORLITE	PO40808001FGMS, J0112100015-101	004731853JJK	INCINERATE	33,260	3,655	33,260	32,820	3,607
01/22/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene		Benzyl Carbazate		NORLITE	PO40808001FGMS, J0119100020-101	004399709JJK	INCINERATE	35,500	3,767	35,500	35,500	3,767
01/29/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene		Benzyl Carbazate		NORLITE	PO40808001FGMS	004399710JJK	INCINERATE	35,580	3,875	35,580	35,580	3,875
02/05/10	1	HAZ WASTE SOLID	spent carbon				SIEMENS	VANSOLVNY-CP	002264416JJK	RECYCLE	1,800		1,800	2,779	
02/05/10	2	HAZ WASTE SOLID	spent carbon				SIEMENS	VAN-VDMNY-CP	002264416JJK	RECYCLE	360		360	438	
02/05/10	1	NON-REGULATED	adsorber				SIEMENS	----	002264416JJK			1,800	1,800	1,438	
02/05/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene		Benzyl Carbazate		NORLITE	PO40808001FGMS, J0202100018-101	004399712JJK	INCINERATE	35,260	no spec grav given	35,260	35,260	no spec grav given
02/12/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene		Benzyl Carbazate		NORLITE	PO40808001FGMS, J0209100014-101	004399836JJK	INCINERATE	35,460	3,883	35,460	35,460	3,883
02/19/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene		Benzyl Carbazate		NORLITE	PO040808001FGMS, J216100020-101	004399837JJK	INCINERATE	35,540	3,812	35,540	35,540	3,812
02/25/10	1	HAZ WASTE SOLID	spent carbon				SIEMENS	VAN-CHEMNY-WW	002264417JJK	RECYCLE	4,500		4,500	3,930	
02/25/10	2	HAZ WASTE SOLID	spent carbon				SIEMENS	VAN-TETRYN-AF	002264417JJK	RECYCLE	360		360	391	
02/25/10	1	HAZ WASTE SOLID	spent carbon				SIEMENS	----	002264417JJK	RECYCLE	180		180	231	
02/26/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene		Benzyl Carbazate		NORLITE	PO40808001FGMS	004399838JJK	INCINERATE	35,400	3,807	35,400	35,400	3,807
03/12/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene		Benzyl Carbazate		NORLITE	PO40808001FGMS, J0302100020-102	004399850JJK	INCINERATE	37,240	no spec grav given	37,240	37,240	4,062
03/19/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene		Benzyl Carbazate		NORLITE	PO40808001FGMS, J0302100020-102	004399849JJK	INCINERATE	36,500	no spec grav given	36,500	36,500	3,859
03/19/10	1	HAZ WASTE SOLID	spent carbon, w/ toluene				SIEMENS	VAN-CHEMNY-WW	002264418JJK	RECYCLE	4,500		4,500	4,059	
03/19/10	1	HAZ WASTE SOLID	spent carbon, w/chlorobenzene				SIEMENS	VAN-SOLVNY-CP	002264418JJK	RECYCLE	1,800		1,800	2,798	
03/25/10	22	HAZ WASTE SOLID					CLEAN HABOURS	1378178-1 SO#D227981881 LOAD 220543	003711710JJK	INCINERATE	6,175		6,175	6,175	
03/25/10	1	WASTE CAUSTIC ALKALI LIQ	sodium hydroxide				CLEAN HABOURS	1453325	003711710JJK	TREATED	416		416	416	
03/25/10	18	NON-REGULATED	ptsi residue				BRIDGEPORT	0928DN4 2	003718259JJK			0	10,394	10,394	
03/25/10	1	NON-REGULATED	waste oil				BRIDGEPORT	0926DLHN1	003718259JJK			232	232	232	
03/25/10	20	WASTE FLAMMABLE LIQ	acetone, toluene				NORLITE	ST-0045-02	003681585JJK	INCINERATE	8,595		8,595	8,595	
03/25/10	4	WASTE FLAMMABLE LIQ	acetone, toluene				NORLITE	ST-0045-02	003681585JJK	INCINERATE	1,713		1,713	1,713	
03/25/10	4	NON-REGULATED	benzyl alcohol				NORLITE	ST-0397-03	003681585JJK			1,612	1,612	1,612	
03/26/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene		Benzyl Carbazate		NORLITE	PO40808001FGMS, J0302100020-103	004399848JJK	INCINERATE	36,340		36,340	36,340	36,340
04/01/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene		Benzyl Carbazate		NORLITE	PO40808001FGMS, J0402100014-101	004399847JJK	INCINERATE	36,100		36,100	36,100	3,684
04/07/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene		Benzyl Carbazate		NORLITE	PO40808001FGMS, J0416100010-101	004399846JJK	INCINERATE	35,300		35,300	35,300	3,729
04/09/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene		Benzyl Carbazate		NORLITE	PO40808001FGMS, J0409100011-101	004399845JJK	INCINERATE	27,120		27,120	27,120	2,885
05/11/10	3	HAZ WASTE SOLID	spent carbon, w/chlorobenzene				SIEMENS	VAN-CHEMNY-WW-44362	002264419JJK	RECYCLE	13,500		13,500	12,730	
05/11/10	1	HAZ WASTE SOLID	spent carbon, w/chlorobenzene				SIEMENS	VANVDMNY-AF-44413	002264419JJK	RECYCLE	180		180	166	
06/03/10	25	WASTE FLAMMABLE LIQ	acetone, toluene				NORLITE	ST-0045-02, J0520100121-101	006767816JJK	INCINERATE	9,485		9,485	9,485	
06/03/10	7	WASTE FLAMMABLE LIQ	acetone, toluene				NORLITE	ST-0045-02, J0520100121-101	006767816JJK	INCINERATE	826		1,826	1,826	
06/03/10	3	NON-REGULATED	ptsi residue				BRIDGEPORT	0928DN4, J0520100111-101	006767817JJK			1,818	1,818	1,818	
06/03/10	2	NON-REGULATED	non-haz solids				BRIDGEPORT	0927DN4, J0520100111-101	006767817JJK			772	772	772	
06/03/10	18	HAZ WASTE SOLID					CLEAN HABOURS	1378178-1	003684281JJK	INCINERATE	5,299		5,299	5,299	
06/03/10	1	WASTE CORROSIVE LIQ	dodecanoyl chloride		Lauroyl Chloride		CLEAN HABOURS	CH26591WTS	003684281JJK	INCINERATE	47		47	47	
06/03/10	9	WASTE TOXIC BY INHALATION LIQ, FLAMMABLE	4-TFMPi, toluene		4-TFMPi		CLEAN HABOURS	CH28671WTS	003684281JJK	INCINERATE	3,528		3,528	3,528	
06/03/10	21	NON-REGULATED	Filter bags		2-CMBSA		COVANTA	7923	37160			2,436	2,436		
06/08/10	1	WASTE FLAMMABLE LIQ	Methanol, Toluene				NORLITE	ST-0285-03, J0607100129-101	004733214JJK	INCINERATE	36,160	4,451	36,160	36,160	4,375
06/10/10	1	WASTE FLAMMABLE LIQ	Methanol, Toluene				NORLITE	ST-0285-03, J0607100129-102	004733217JJK	INCINERATE	35,780	4,405	35,780	35,780	4,437
07/07/10	3	HAZ WASTE, SOLID					SIEMENS	9A1-CHEMNY-WW	002264421JJK	RECYCLE	13,500		13,500	11,496	
08/17/10	1	HAZ WASTE, SOLID	Diphenyl Carbonate				CLEAN HABOURS	CH29866WTS WTS37931	003684178JJK	INCINERATE	596		596	596	
08/17/10	14	HAZ WASTE, SOLID					CLEAN HABOURS	1378178-1 WTS37931	003684178JJK	INCINERATE	4,180		4,180	4,180	
08/17/10	8	NON-REGULATED CHANGED TO HAZ	Phenyl Chloroformate Stillbottoms				CLEAN HABOURS	1378189 WTS37931	003684178JJK		3,666	3,666	3,666	3,666	
08/17/10	4	NON-REGULATED	Empty 15 gal plastic drum last contained Phenyl Chloroformate				CLEAN HABOURS	1453388 WTS37931	003684178JJK	INCINERATE	20		20	20	
08/17/10	4	WASTE	n,n-dimethylformamide				NORLITE	ST-0102-02, WTS37933	003684179JJK	INCINERATE	1,512		1,512	1,512	
08/17/10	5	WASTE FLAMMABLE LIQ	acetone, toluene				NORLITE	ST-0045-02 WTS37933	003684179JJK	INCINERATE	1,322		1,322	1,322	
08/17/10	10	WASTE FLAMMABLE LIQ	acetone, toluene				NORLITE	ST-0045-02 WTS37933	003684179JJK	INCINERATE	2,991		2,991	2,991	
08/17/10	12	NON-REGULATED	ptsi residue				BRIDGEPORT	0928DN4 WTS37932	003684180JJK			6,719	6,179	9,179	
08/17/10	3	NON-REGULATED	non-haz solids				BRIDGEPORT	0927DN4 WTS37932	003684180JJK			774	774	774	
08/17/10	1	NON-REGULATED	waste oil				BRIDGEPORT	0926DLHN1 WTS37932	003684180JJK			317	317	317	
08/17/10	1	NON-REGULATED	ptsi residue				BRIDGEPORT	0928DN4 WTS37932	003684180JJK			159	159	159	
08/17/10	1	WASTE HYDRAZINE AQUEOUS SOLUTION					CLEAN HABOURS	10-1,30,LRCTB WTS37929	003684181JJK	INCINERATE	75		75	75	
08/17/10	1	WASTE CORROSIVE LIQ					CLEAN HABOURS	10-2,5,LCCRC WTS37929	003684181JJK	INCINERATE	5		5	5	
08/17/10	1	WASTE, ACETALDEHYDE					CLEAN HABOURS	10-3,5,LCCRD WTS37929	003684181JJK	INCINERATE	22		22	22	
08/17/10	1	WASTE FLAMMABLE LIQ					CLEAN HABOURS	10-5,5,LCCRD WTS37929	003684181JJK	INCINERATE	5		5	5	
08/17/10	1	WASTE MERCURY					CLEAN HABOURS	10-6,5,LCHG5 WTS37929	003684181JJK	RECYCLE	6		6	6	
08/17/10	1	ISOCYANATES, TOXIC					CLEAN HABOURS	10-4,6,LCCRC WTS37929	003684181JJK		5		5	5	
09/08/10	2	HAZ WASTE, SOLID					SIEMENS	CHEMNY-WW	002264420JJK	RECYCLE	9,000		9,000	7,806	

VDM00752

2010 HAZARDOUS WASTE REPORT WORKSHEET

419.2945

[illegible]

LBS / SP GRAVITY / 8.34 = GALS

VDM00753

2010 HAZARDOUS WASTE REPORT WORKSHEET

L = LANDFILL
B = INCINERATION
T = TREATED
R = RECYCLE

SHIP DATE	QTY	WASTE DESCRIPTION		WASTE PRODUCT	HAZ/ NON	COSTS DISPOSAL	COSTS TRANS	COSTS TAX	WASTE QTY BILLED	DIFF BETWEEN BILLED QTY VS ACTUAL
01/08/10	5	HAZ WASTE SOLID	spend carbon		HAZ					
01/08/10	1	HAZ WASTE SOLID	spend carbon		HAZ					
01/08/10	2	HAZ WASTE SOLID	spend carbon		HAZ					
01/14/10	1	FLAMMABLE LIQUID	toluene, sodium hydroxide		HAZ	\$281.00	\$224.00	\$61.92	1	0
01/14/10	17	NON-REGULATED	ptsi residue		NON	\$2,865.00	\$0.00	\$0.00	15	0
02/05/10	2	HAZ WASTE LIQ	2 rejected drums from manifest 003675435		HAZ	\$550.00	\$0.00	\$0.00	2	0
01/14/10	39	HAZ WASTE SOLID			HAZ	\$7,000.00	\$2,255.00	\$180.40	39	0
01/14/10	1	WASTE CORROSIVE LIQ	dodecanoyl chloride	Lauroyl Chloride	HAZ	\$545.00	\$0.00	\$0.00	1	0
01/14/10	1	HAZ WASTE SOLID			HAZ	\$0.00	\$0.00	\$0.00	1	0
01/14/10	32	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ	\$3,172.00	\$952.00	\$408.00	32	0
01/14/10	20	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ	\$0.00	\$0.00	\$0.00	20	0
01/14/10	12	WASTE	n,n-dimethylformamide		HAZ	\$732.00	\$0.00	\$0.00	12	0
01/14/10	4	NON-REGULATED	teu & water		NON	\$244.00	\$0.00	\$0.00	4	0
01/15/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$8,440.38	\$1,344.15	\$772.73	3,607	0
01/22/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$7,290.97	\$1,317.90	\$678.68	3,701	-66
01/29/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$7,556.25	\$1,291.65	\$697.80	3,875	0
02/05/10	1	HAZ WASTE SOLID	spent carbon		HAZ					
02/05/10	2	HAZ WASTE SOLID	spent carbon		HAZ					
02/05/10	1	NON-REGULATED	adsorber		HAZ					
02/05/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$7,669.05	\$1,329.30	\$708.92	35,260	0
02/12/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$7,727.17	\$1,381.80	\$717.77	3,883	0
02/19/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$7,307.98	\$1,276.80	\$675.84	3,812	0
02/25/10	1	HAZ WASTE SOLID	spent carbon		HAZ					
02/25/10	2	HAZ WASTE SOLID	spent carbon		HAZ					
02/25/10	1	HAZ WASTE SOLID	spent carbon		HAZ					
02/26/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$7,935.00	\$1,434.30	\$738.67	3,779	-28
03/12/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$8,327.10	\$1,276.80	\$757.37	4,062	0
03/19/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$8,566.98	\$1,276.80	\$776.58	3,859	0
03/19/10	1	HAZ WASTE SOLID	spent carbon, w/ toluene		HAZ					
03/19/10	1	HAZ WASTE SOLID	spent carbon, w/chlorobenzene		HAZ					
03/25/10	22	HAZ WASTE SOLID			HAZ	\$3,850.00	\$1,265.00	\$101.20	6,175	0
03/25/10	1	WASTE CAUSTIC ALKALI LIQ	sodium hydroxide		HAZ	\$245.00			416	0
03/25/10	18	NON-REGULATED	ptsi residue		NON	\$3,438.00	\$266.00	\$21.28	10,394	0
03/25/10	1	NON-REGULATED	waste oil		NON	\$61.00			232	0
03/25/10	20	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ					
03/25/10	4	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ					
03/25/10	4	NON-REGULATED	benzyl alcohol		NON					
03/26/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$7,872.41	\$1,408.05	\$731.49	3,731	0
04/01/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$7,441.68	\$1,288.20	\$686.53	3,684	0
04/07/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$7,830.90	\$1,314.45	\$719.77	3,729	0
04/09/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ	\$5,481.50	\$1,288.20	\$529.72	2,885	0
05/11/10	3	HAZ WASTE SOLID	spent carbon, w/chlorobenzene		HAZ					
05/11/10	1	HAZ WASTE SOLID	spent carbon, w/chlorobenzene		HAZ					
06/03/10	25	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ	\$1,525.00	\$350.00	\$150.00	2,025	0
06/03/10	7	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ	\$427.00	\$98.00	\$42.00	567	0
06/03/10	3	NON-REGULATED	ptsi residue		NON	\$573.00	\$42.00	\$48.08		
06/03/10	2	NON-REGULATED	non-haz solids		NON	\$382.00	\$28.00	\$114.08		
06/03/10	18	HAZ WASTE SOLID			HAZ	\$3,150.00	\$1,044.00	\$256.64		
06/03/10	1	WASTE CORROSIVE LIQ	dodecanoyl chloride	Lauroyl Chloride	HAZ	\$172.00	\$58.00	\$55.52		
06/03/10	9	WASTE TOXIC BY INHALATION LIQ, FLAMMABLE	4-TFMPi, toluene	4-TFMPi	HAZ	\$10,278.00	\$522.00	\$858.24		
06/03/10	21	NON-REGULATED	Filter bags	2-CMBSA	NON	\$4,095.00	\$450.00	\$363.60		
06/08/10	1	WASTE FLAMMABLE LIQ	Methanol, Toluene		HAZ	\$2,625.00	\$1,146.62	\$301.72		
06/10/10	1	WASTE FLAMMABLE LIQ	Methanol, Toluene		HAZ	\$2,662.00	\$1,146.62	\$304.69		
07/07/10	3	HAZ WASTE, SOLID			HAZ					
08/17/10	1	HAZ WASTE, SOLID	Diphenyl Carbonate		HAZ					
08/17/10	14	HAZ WASTE, SOLID			HAZ					
08/17/10	8	NON-REGULATED CHANGED TO HAZ	Phenyl Chloroformate Stillbottoms		HAZ					
08/17/10	4	NON-REGULATED	Empty 15 gal plastic drum last contained Phenyl Chloroformate		HAZ					
08/17/10	4	WASTE	n,n-dimethylformamide		HAZ					
08/17/10	5	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ					
08/17/10	10	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ					
08/17/10	12	NON-REGULATED	ptsi residue		NON					
08/17/10	3	NON-REGULATED	non-haz solids		NON					
08/17/10	1	NON-REGULATED	waste oil		NON					
08/17/10	1	NON-REGULATED	ptsi residue		NON					
08/17/10	1	WASTE HYDRAZINE AQUEOUS SOLUTION			HAZ					
08/17/10	1	WASTE CORROSIVE LIQ			HAZ					
08/17/10	1	WASTE, ACETALDEHYDE			HAZ					
08/17/10	1	WASTE FLAMMABLE LIQ			HAZ					
08/17/10	1	WASTE MERCURY			HAZ					
08/17/10	1	ISOCYANATES, TOXIC			HAZ					
09/08/10	2	HAZ WASTE, SOLID			HAZ					

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T = TREATED
R = RECYCLE

SHIP DATE	QTY	HAZ WASTE DESCRIPTION		MANUFACTURER PRODUCT	HAZ/ NON	COSTS DISPOSAL	COSTS TRANS	COSTS TAX	WASTE QTY BILLED	DIFF BETWEEN BILLED QTY
09/08/10	1	HAZ WASTE, SOLID			HAZ					
09/08/10	1	HAZ WASTE, SOLID			HAZ					
09/08/10	1	HAZ WASTE, SOLID			HAZ					
09/08/10	1	HAZ WASTE, SOLID			HAZ					
09/16/10	1	HAZ WASTE SOLID	spent carbon - toluene		HAZ					
09/16/10	1	HAZ WASTE SOLID	spent carbon - toluene		HAZ					
10/07/10	15	NON REGULATED MATERIAL	FILTER BAGS	2-CMBSA	NON					
11/02/10	22	HAZ WASTE, SOLID			HAZ					
11/02/10	1	WASTE CAUSTIC ALKALI LIQ	Sodium hydroxide		HAZ					
11/02/10	2	WASTE XYLENES	ADI with xylene		HAZ					
11/02/10	1	WASTE FLAMMABLE LIQ			HAZ					
11/02/10	1	NON REGULATED MATERIAL			NON					
11/02/10	9	NON REGULATED MATERIAL	ptsi residue		NON					
11/02/10	26	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ					
11/02/10	23	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ					
11/02/10	4	HAZ WASTE	n,n-dimethylformamide		HAZ					
11/02/10	4	HAZ WASTE SOLID	spent carbon		HAZ					
11/16/10	1	HAZ WASTE SOLID	spent carbon - chlorobenzene		HAZ					
11/16/10	1	HAZ WASTE SOLID	spent carbon - chlorobenzene		HAZ					
12/17/10	1	BATTERIES								
12/28/10	1	FLAMMABLE LIQUID	hydrazine hydrate, toluene		HAZ	\$8,288.06	\$1,416.00	\$762.64		
12/29/10	13	NON REGULATED MATERIAL	Filter bags	2-CMBSA	NON					
						\$156,607.48	\$28,491.64	\$18,221.86		
						\$198,320.93				

LBS / SP (

Q1 WASTE TAX

01/14/10	1	FLAMMABLE LIQUID	toluene, sodium hydroxide		HAZ		BRIGEPOR	1598FD2HFB	003675435JJK	INCINERATE	246		246	246
01/14/10	39	HAZ WASTE SOLID			HAZ		CLEAN HABOURS	1378178-1	003675439JJK	INCINERATE	10,837		10,837	10,837
01/14/10	1	WASTE CORROSIVE LIQ	dodecanoyl chloride		HAZ		CLEAN HABOURS	CH26592WTS	003675439JJK	INCINERATE	407		407	407
01/14/10	1	HAZ WASTE SOLID			HAZ		CLEAN HABOURS	1378178-1	003675439JJK	INCINERATE	410		410	410
01/14/10	32	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ		NORLITE	ST-0045-02	003675436JJK	INCINERATE	14,812		14,812	14,812
01/14/10	20	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ		NORLITE	ST-0045-02	003675436JJK	INCINERATE	7,800		7,800	7,800
01/14/10	12	WASTE	n,n-dimethylformamide		HAZ		NORLITE	ST-0102-02	003675436JJK	INCINERATE	5,042		5,042	5,042
01/15/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FGMS, J0112100015-101	004731853JJK	INCINERATE	33,260		33,260	32,820
01/22/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FGMS, J0119100020-101	004399709JJK	INCINERATE	35,500		35,500	35,500
01/29/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FGMS	004399710JJK	INCINERATE	35,580		35,580	35,580
02/05/10	2	HAZ WASTE LIQ	2 rejected drums from manifest 003675435		HAZ		CLEAN HABOURS	1408339	003675426JJK	INCINERATE	1,260		1,260	1,260
02/05/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FGMS, J0202100018-101	004399712JJK	INCINERATE	35,260		35,260	35,260
02/12/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FGMS, J0209100014-101	004399836JJK	INCINERATE	35,460		35,460	35,460
02/19/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FGMS, J216100020-101	004399837JJK	INCINERATE	35,540		35,540	35,540
02/26/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FGMS	004399838JJK	INCINERATE	35,400		35,400	35,400
03/12/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FGMS, J0302100020-102	004399850JJK	INCINERATE	37,240		37,240	37,240
03/19/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FGNS, J0302100020-102	004399849JJK	INCINERATE	36,500		36,500	36,500
03/25/10	22	HAZ WASTE SOLID			HAZ		CLEAN HABOURS	1378178-1 SO#D227981881 LOAD 220	003711710JJK	INCINERATE	6,175		6,175	6,175
03/25/10	20	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ		NORLITE	ST-0045-02	003681585JJK	INCINERATE	8,595		8,595	8,595
03/25/10	4	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ		NORLITE	ST-0045-02	003681585JJK	INCINERATE	1,713		1,713	1,713
03/25/10	1	WASTE CAUSTIC ALKALI LIQ	sodium hydroxide		HAZ		CLEAN HABOURS	1453325	003711710JJK	TREATED	416	0	416	416
03/26/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FGMS, J0302100020-103	004399848JJK	INCINERATE	36,340		36,340	36,340
											413,793			
											206,90			
01/08/10	5	HAZ WASTE SOLID	spend carbon		HAZ		SIEMENS	VAN-CHEMNY-WW	002264415JJK	RECYCLE	22,500		22,500	18,843
01/08/10	1	HAZ WASTE SOLID	spend carbon		HAZ		SIEMENS	VAN-SOLVNY-CP	002264415JJK	RECYCLE	1,800		1,800	2,800
01/08/10	2	HAZ WASTE SOLID	spend carbon		HAZ		SIEMENS	VAN-TOLVNY-CP	002264415JJK	RECYCLE	3,600		3,600	3,437
02/05/10	1	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS	VANSOLVNY-CP	002264416JJK	RECYCLE	1,800		1,800	2,779
02/05/10	2	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS	VAN-VDMNY-CP	002264416JJK	RECYCLE	360		360	438
02/25/10	1	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS	VAN-CHEMNY-WW	002264417JJK	RECYCLE	4,500		4,500	
02/25/10	2	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS	VAN-TETRNY-AF	002264417JJK	RECYCLE	360		360	
02/25/10	1	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS	----	002264417JJK	RECYCLE	180		180	
03/19/10	1	HAZ WASTE SOLID	spent carbon, w/ toluene		HAZ		SIEMENS	VAN-CHEMNY-WW	002264418JJK	RECYCLE	4,500		4,500	
03/19/10	1	HAZ WASTE SOLID	spent carbon, w/chlorobenzene		HAZ		SIEMENS	VAN-SOLVNY-CP	002264418JJK	RECYCLE	1,800		1,800	
											41,400			

											20,70	227,60		
03/25/10	1	WASTE CAUSTIC ALKALI LIQ	sodium hydroxide		NON		CLEAN HABOURS	1453325	003711710JJK	TREATED	0	416	416	416
01/14/10	17	NON-REGULATED	ptsi residue		NON		BRIGEPORT	0928DN4	003675435JJK		0	9,134	9,134	7,874
01/14/10	4	NON-REGULATED	teu & water		NON		NORLITE	ST-0200-03	003675436JJK		0	1,424	1,424	1,424
02/05/10	1	NON-REGULATED	adsorber		HAZ		SIEMENS	-----	002264416JJK		0	1,800	1,800	1,438
03/25/10	18	NON-REGULATED	ptsi residue		NON		BRIGEPORT	0928DN4 2	003718259JJK		0	10,394	10,394	
03/25/10	1	NON-REGULATED	waste oil		NON		BRIGEPORT	0926DLHN1	003718259JJK		0	232	232	
03/25/10	4	NON-REGULATED	benzyl alcohol		NON		NORLITE	ST-0397-03	003681585JJK			1,612	1,612	1,612

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Monthly summary

	Tons Waste	Estimated Yearly total
January	87	1038
February	74	966
March	67	910
April	49	831
May	7	681
June	46	659
July	2	567
August	7	507
September	10	464
October	0	417
November	26	408
December	18	392
Total	392	

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2010 HAZARDOUS WASTE REPORT WORKSHEET

L = LANDFILL
B = INCINERATION
T = TREATED
R = RECYCLE

SHIP DATE		QTY	WASTE DESCRIPTION	HAZ NON	HAZ NON	PROCESS GEN WASTE	TSDF	APPROVAL CODE	STATE MANIFEST NUMBER	DISP METHOD	HAZ WT LBS	HAZ WT IN GALLONS	NON HAZ WT LBS	SHIP WEIGHTS LBS	REC'D WEIGHTS LBS	REC'D WT IN GALLONS	HAZ DISPOSAL	HAZ TRANS	HAZ TAX	WASTE QTY	WASTE TYP	HAZ ACTUAL
01/08/10	5	HAZ WASTE SOLID	spend carbon	HAZ		SIEMENS	VAN-CHEMNY-WW		002264415JJK	RECYCLE	22,500			22,500	18,843							
01/08/10	1	HAZ WASTE SOLID	spend carbon	HAZ		SIEMENS	VAN-SOLVNY-CP		002264415JJK	RECYCLE	1,800			1,800	2,800							
01/08/10	2	HAZ WASTE SOLID	spend carbon	HAZ		SIEMENS	VAN-TOLUNY-CP		002264415JJK	RECYCLE	3,600			3,600	3,437							
01/14/10	1	FLAMMABLE LIQUID	toluene, sodium hydroxide	HAZ		BRIDGEPORT	1598FD2HFB		003675435JJK	INCINERATE	246			246	246			\$281.00	\$224.00	\$61.92	1	
01/14/10	17	NON-REGULATED	ptsl residue	NON		BRIDGEPORT	0928DN4		003675435JJK		0		9,134	9,134	7,874			\$2,865.00	\$0.00	\$0.00	15	
02/05/10	2	HAZ WASTE LIQ	2 rejected drums from manifest 003675435	HAZ		CLEAN HABOURS	1408339		003675428JJK	INCINERATE	1,260			1,260	1,260			\$550.00	\$0.00	\$0.00	2	
01/14/10	39	HAZ WASTE SOLID		HAZ		CLEAN HABOURS	1378178-1		003675438JJK	INCINERATE	10,837			10,837	10,837			\$7,000.00	\$2,255.00	\$180.40	39	
01/14/10	1	WASTE CORROSIVE LIQ	dodecanoyl chloride	HAZ	Lauroyl Chloride	CLEAN HABOURS	CH26592WTS		003675438JJK	INCINERATE	407			407	407			\$545.00	\$0.00	\$0.00	1	
01/14/10	1	HAZ WASTE SOLID		HAZ		CLEAN HABOURS	1378178-1		003675438JJK	INCINERATE	410			410	410			\$0.00	\$0.00	\$0.00	1	
01/14/10	32	WASTE FLAMMABLE LIQ	acetone, toluene	HAZ		NORLITE	ST-0045-02		003675438JJK	INCINERATE	14,812			14,812	14,812			\$3,172.00	\$952.00	\$408.00	32	
01/14/10	20	WASTE FLAMMABLE LIQ	acetone, toluene	HAZ		NORLITE	ST-0045-02		003675438JJK	INCINERATE	7,800			7,800	7,800			\$0.00	\$0.00	\$0.00	20	
01/14/10	12	WASTE	n,n-dimethylformamide	HAZ		NORLITE	ST-0102-02		003675438JJK	INCINERATE	5,042			5,042	5,042			\$732.00	\$0.00	\$0.00	12	
01/14/10	4	NON-REGULATED	teu & water	NON		NORLITE	ST-0200-03		003675438JJK		0		1,424	1,424	1,424			\$244.00	\$0.00	\$0.00	4	
01/15/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	HAZ	Benzyl Carbazate	NORLITE	PO40808001FGMS, J0112100015-101		004731853JJK	INCINERATE	33,260	3,655		33,260	32,820	3,607		\$8,440.38	\$1,344.15	\$772.73	3,607	
01/22/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	HAZ	Benzyl Carbazate	NORLITE	PO40808001FGMS, J0119100020-101		004399709JJK	INCINERATE	35,500	3,767		35,500	35,500	3,767		\$7,290.97	\$1,317.90	\$678.68	3,701	
01/29/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	HAZ	Benzyl Carbazate	NORLITE	PO40808001FGMS		004399710JJK	INCINERATE	35,580	3,875		35,580	35,580	3,875		\$7,556.25	\$1,291.65	\$897.80	3,875	
02/05/10	1	HAZ WASTE SOLID	spend carbon	HAZ		SIEMENS	VANSOLVNY-CP		002264416JJK	RECYCLE	1,800			1,800	2,779							
02/05/10	2	HAZ WASTE SOLID	spend carbon	HAZ		SIEMENS	VAN-VDVNY-CP		002264416JJK	RECYCLE	360			360	438							
02/05/10	1	NON-REGULATED	adsorber	HAZ		SIEMENS	----		002264416JJK		0		1,800	1,800	1,438							
02/05/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	HAZ	Benzyl Carbazate	NORLITE	PO40808001FGMS, J0202100018-101		004399712JJK	INCINERATE	35,260	no spec grav given		35,260	35,260	no spec grav given		\$7,669.05	\$1,329.30	\$708.92	35,260	
02/12/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	HAZ	Benzyl Carbazate	NORLITE	PO40808001FGMS, J0209100014-101		004399836JJK	INCINERATE	35,460	3,883		35,460	35,460	3,883		\$7,727.17	\$1,381.80	\$717.77	3,883	
02/19/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	HAZ	Benzyl Carbazate	NORLITE	PO40808001FGMS, J216100020-101		004399837JJK	INCINERATE	35,540	3,812		35,540	35,540	3,812		\$7,307.98	\$1,276.80	\$675.84	3,812	
02/25/10	1	HAZ WASTE SOLID	spend carbon	HAZ		SIEMENS	VAN-CHEMNY-WW		002264417JJK	RECYCLE	4,500			4,500	3,930							
02/25/10	2	HAZ WASTE SOLID	spend carbon	HAZ		SIEMENS	VAN-TETRYN-AF		002264417JJK	RECYCLE	380			380	391							
02/25/10	1	HAZ WASTE SOLID	spend carbon	HAZ		SIEMENS	----		002264417JJK	RECYCLE	180			180	231							
02/26/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	HAZ	Benzyl Carbazate	NORLITE	PO40808001FGMS		004399838JJK	INCINERATE	35,400	3,807		35,400	35,400	3,807		\$7,935.00	\$1,434.30	\$738.67	3,779	
03/12/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	HAZ	Benzyl Carbazate	NORLITE	PO40808001FGMS, J0302100020-102		004399850JJK	INCINERATE	37,240	no spec grav given		37,240	37,240	4,062		\$8,327.10	\$1,276.80	\$757.37	4,062	
03/19/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	HAZ	Benzyl Carbazate	NORLITE	PO40808001FGMS, J0302100020-102		004399854JJK	INCINERATE	36,500	no spec grav given		36,500	36,500	3,859		\$8,568.98	\$1,276.80	\$778.58	3,859	
03/19/10	1	HAZ WASTE SOLID	spend carbon, w/ toluene	HAZ		SIEMENS	VAN-CHEMNY-WW		002264418JJK	RECYCLE	4,500			4,500	4,059							
03/19/10	1	HAZ WASTE SOLID	spend carbon, w/ toluene	HAZ		SIEMENS	VAN-SOLVNY-CP		002264418JJK	RECYCLE	1,800			1,800	2,798							
03/25/10	22	HAZ WASTE SOLID	spend carbon, w/chlorobenzene	HAZ		CLEAN HABOURS	1378178-1 SCW0227981881 LOAD 220543		003711710JJK	INCINERATE	6,175			6,175	6,175			\$3,850.00	\$1,265.00	\$101.20	6,175	
03/25/10	1	WASTE CAUSTIC ALKALI LIQ	sodium hydroxide	HAZ		CLEAN HABOURS	1453325		003711710JJK	TREATED	416		0	416	416			\$245.00			416	
03/25/10	18	NON-REGULATED	ptsl residue	NON		BRIDGEPORT	0928DN4 2		003718259JJK		0		10,394	10,394	10,394			\$3,438.00	\$268.00	\$21.28	10,394	
03/25/10	1	NON-REGULATED	waste oil	NON		BRIDGEPORT	0926DLHN1		003718259JJK		0		232	232	232			\$61.00			232	
03/25/10	20	WASTE FLAMMABLE LIQ	acetone, toluene	HAZ		NORLITE	ST-0045-02		003681585JJK	INCINERATE	8,595			8,595	8,595							
03/25/10	4	WASTE FLAMMABLE LIQ	acetone, toluene	HAZ		NORLITE	ST-0045-02		003681585JJK	INCINERATE	1,713			1,713	1,713							
03/25/10	4	NON-REGULATED	benzyl alcohol	NON		NORLITE	ST-0397-03		003681585JJK		0		1,612	1,612	1,612							
03/28/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	HAZ	Benzyl Carbazate	NORLITE	PO40808001FGMS, J0302100020-103		004399848JJK	INCINERATE	36,340			36,340	36,340	3,634		\$7,872.41	\$1,408.05	\$731.49	3,731	
04/01/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	HAZ	Benzyl Carbazate	NORLITE	PO40808001FGMS, J0402100014-101		004399847JJK	INCINERATE	36,100			36,100	36,100	3,684		\$7,441.88	\$1,288.20	\$686.53	3,684	
04/07/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	HAZ	Benzyl Carbazate	NORLITE	PO40808001FGMS, J0416100010-101		004399846JJK	INCINERATE	35,300			35,300	35,300	3,729		\$7,830.90	\$1,314.45	\$719.77	3,729	
04/09/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	HAZ	Benzyl Carbazate	NORLITE	PO40808001FGMS, J0409100011-101		004399845JJK	INCINERATE	27,120			27,120	27,120	2,885		\$5,481.50	\$1,288.20	\$529.72	2,885	
05/11/10	3	HAZ WASTE SOLID	spend carbon, w/chlorobenzene	HAZ		SIEMENS	VAN-CHEMNY-WW-44362		002264419JJK	RECYCLE	13,500			13,500	12,730							
05/11/10	1	HAZ WASTE SOLID	spend carbon, w/chlorobenzene	HAZ		SIEMENS	VAN-VDVNY-AF-44413		002264419JJK	RECYCLE	180			180	166							
06/03/10	25	WASTE FLAMMABLE LIQ	acetone, toluene	HAZ		NORLITE	ST-0045-02, J0520100121-101		006767816JJK	INCINERATE	9,485			9,485	9,485			\$1,525.00	\$350.00	\$150.00	2,025	
06/03/10	7	WASTE FLAMMABLE LIQ	acetone, toluene	HAZ		NORLITE	ST-0045-02, J0520100121-101		006767816JJK	INCINERATE	828			1,828	1,828			\$427.00	\$98.00	\$42.00	567	
06/03/10	3	NON-REGULATED	ptsl residue	NON		BRIDGEPORT	0928DN4, J0520100111-101		006767817JJK				1,818	1,818	1,818			\$573.00	\$42.00	\$48.08		
06/03/10	2	NON-REGULATED	non-haz solids	NON		BRIDGEPORT	0927DN4, J0520100111-101		006767817JJK				772	772	772			\$382.00	\$28.00	\$114.08		
06/03/10	18	HAZ WASTE SOLID		HAZ		CLEAN HABOURS	1378178-1		003684281JJK	INCINERATE	5,299			5,299	5,299			\$3,150.00	\$1,044.00	\$258.64		
06/03/10	1	WASTE CORROSIVE LIQ	dodecanoyl chloride	HAZ	Lauroyl Chloride	CLEAN HABOURS	CH26591WTS		003684281JJK	INCINERATE	47			47	47			\$172.00	\$58.00	\$55.52		
06/03/10	9	WASTE TOXIC BY INHALATION LIQ, FLAMMABLE	4-TFMPI, toluene	HAZ		CLEAN HABOURS	CH28671WTS		003684281JJK	INCINERATE	3,528			3,528	3,528			\$10,278.00	\$522.00	\$858.24		
06/03/10	21	NON-REGULATED	Filter bags	NON		COVANTA	7923		37160				2,436	2,436				\$4,095.00	\$450.00	\$363.60		
06/08/10	1	WASTE FLAMMABLE LIQ	Methanol, Toluene	HAZ		NORLITE	ST-0285-03, J0607100129-101		004733214JJK	INCINERATE	36,160	4,451		36,160	36,160	4,375		\$2,625.00	\$1,148.62	\$301.72		
06/10/10	1	WASTE FLAMMABLE LIQ	Methanol, Toluene	HAZ		NORLITE	ST-0285-03, J0607100129-102		004733217JJK	INCINERATE	35,780	4,405		35,780	35,780	4,437		\$2,662.00	\$1,148.62	\$304.69		
07/07/10	3	HAZ WASTE, SOLID		HAZ		SIEMENS	9A1-CHEMNY-WW		002264421JJK	RECYCLE	13,500			13,500	11,498							
08/17/10	1	HAZ WASTE, SOLID		HAZ		CLEAN HABOURS	CH29866WTS WTS37931		003684178JJK	INCINERATE	598			598	598							
08/17/10	14	HAZ WASTE, SOLID		HAZ		CLEAN HABOURS	1378178-1 WTS37931		003684178JJK	INCINERATE	4,180			4,180	4,180							
08/17/10	8	NON-REGULATED CHANGED TO HAZ	Phenyl Chloroformate Stillbottoms	HAZ		CLEAN HABOURS	1378189 WTS37931		003684178JJK		3,666	3,666		3,666	3,666							
08/17/10	4	NON-REGULATED	Empty 15 gal plastic drum last contained Phenyl Chloroformate	HAZ		CLEAN HABOURS	1453388 WTS37931		003684178JJK	INCINERATE	20			20	20							
08/17/10	4	WASTE	n,n-dimethylformamide	HAZ		NORLITE	ST-0102-02, WTS37933		003684179JJK	INCINERATE	1,512			1,512	1,512							
08/17/10	5	WASTE FLAMMABLE LIQ	acetone, toluene	HAZ		NORLITE	ST-0045-02 WTS37933		003684179JJK	INCINERATE	1,322			1,322	1,322							
08/17/10	10	WASTE FLAMMABLE LIQ	acetone, toluene	HAZ		NORLITE	ST-0045-02 WTS37933		003684179JJK	INCINERATE	2,991			2,991	2,991							
08/17/10	12	NON-REGULATED	ptsl residue	NON		BRIDGEPORT	0928DN4 WTS37932		003684180JJK				6,719	6,719	9,179							
08/17/10																						

LBS / SP GRAVITY / 8.34 = GALS

VDM00759

Q1 WASTE TAX

01/14/10	1	FLAMMABLE LIQUID	toluene, sodium hydroxide		HAZ		BRIGEPOR	1598FD2HFB	003675435JJK	INCINERATE	246		246	246
01/14/10	39	HAZ WASTE SOLID			HAZ		CLEAN HABOU	1378178-1	003675439JJK	INCINERATE	10,837		10,837	10,837
01/14/10	1	WASTE CORROSIVE LIQ	dodecanoyl chloride		HAZ		CLEAN HABOU	CH26592WTS	003675439JJK	INCINERATE	407		407	407
01/14/10	1	HAZ WASTE SOLID			HAZ		CLEAN HABOU	1378178-1	003675439JJK	INCINERATE	410		410	410
01/14/10	32	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ		NORLITE	ST-0045-02	003675438JJK	INCINERATE	14,812		14,812	14,812
01/14/10	20	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ		NORLITE	ST-0045-02	003675436JJK	INCINERATE	7,800		7,800	7,800
01/14/10	12	WASTE	n,n-dimethylformamide		HAZ		NORLITE	ST-0102-02	003675436JJK	INCINERATE	5,042		5,042	5,042
01/15/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808801FG	004731853JJK	INCINERATE	33,260		33,260	32,820
01/22/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FG	004399709JJK	INCINERATE	35,500		35,500	35,500
01/29/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FG	004399710JJK	INCINERATE	35,580		35,580	35,580
02/05/10	2	HAZ WASTE LIQ	2 rejected drums from manifest 003675435		HAZ		CLEAN HABOU	1408339	003675426JJK	INCINERATE	1,260		1,260	1,260
02/05/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FGMS, JC202100018-101	004399712JJK	INCINERATE	35,260		35,260	35,260
02/12/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FG	004399836JJK	INCINERATE	35,460		35,460	35,460
02/19/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FG	004399837JJK	INCINERATE	35,540		35,540	35,540
02/26/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FG	004399838JJK	INCINERATE	35,400		35,400	35,400
03/12/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FG	004399850JJK	INCINERATE	37,240		37,240	37,240
03/19/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FG	004399849JJK	INCINERATE	36,500		36,500	36,500
03/25/10	22	HAZ WASTE SOLID			HAZ		CLEAN HABOU	1378178-1 SO#	003711710JJK	INCINERATE	6,175		6,175	6,175
03/25/10	20	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ		NORLITE	ST-0045-02	003681585JJK	INCINERATE	8,595		8,595	8,595
03/25/10	4	WASTE FLAMMABLE LIQ	acetone, toluene		HAZ		NORLITE	ST-0045-02	003681585JJK	INCINERATE	1,713		1,713	1,713
03/25/10	1	WASTE CAUSTIC ALKALI LIQ	sodium hydroxide		HAZ		CLEAN HABOU	1453325	003711710JJK	TREATED	416	0	416	416
03/26/10	1	WASTE FLAMMABLE LIQ	hydrazine hydrate, toluene	Benzyl Carbazate	HAZ		NORLITE	PO40808001FG	004399848JJK	INCINERATE	36,340		36,340	36,340
											413,793			
											206.90			
01/08/10	5	HAZ WASTE SOLID	spend carbon		HAZ		SIEMENS	VAN-CHEMNY-	002264415JJK	RECYCLE	22,500		22,500	18,843
01/08/10	1	HAZ WASTE SOLID	spend carbon		HAZ		SIEMENS	VAN-SOLVNY-C	002264415JJK	RECYCLE	1,800		1,800	2,800
01/08/10	2	HAZ WASTE SOLID	spend carbon		HAZ		SIEMENS	VAN-TOLUNY-	002264415JJK	RECYCLE	3,600		3,600	3,437
02/05/10	1	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS	VANSOLVNY-C	002264416JJK	RECYCLE	1,800		1,800	2,779
02/05/10	2	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS	VAN-VDMNY-CP	002264416JJK	RECYCLE	360		360	433
02/25/10	1	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS	VAN-CHEMNY-	002264417JJK	RECYCLE	4,500		4,500	
02/25/10	2	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS	VAN-TETRYN-A	002264417JJK	RECYCLE	360		360	
02/25/10	1	HAZ WASTE SOLID	spent carbon		HAZ		SIEMENS	-----	002264417JJK	RECYCLE	180		180	
03/19/10	1	HAZ WASTE SOLID	spent carbon, w/ toluene		HAZ		SIEMENS	VAN-CHEMNY-	002264418JJK	RECYCLE	4,500		4,500	
03/19/10	1	HAZ WASTE SOLID	spent carbon, w/chlorobenzene		HAZ		SIEMENS	VAN-SOLVNY-C	002264418JJK	RECYCLE	1,800		1,800	
											41,400			
											20.70	227.60		
03/25/10	1	WASTE CAUSTIC ALKALI LIQ	sodium hydroxide		NON		CLEAN HABOU	1453325	003711710JJK	TREATED	0	416	416	416
01/14/10	17	NON-REGULATED	ptsi residue		NON		BRIGEPOR	0928DN4	003675435JJK		0	9,134	9,134	7,874
01/14/10	4	NON-REGULATED	teu & water		NON		NORLITE	ST-0200-03	003675436JJK		0	1,424	1,424	1,424
02/05/10	1	NON-REGULATED	adsorber		HAZ		SIEMENS	-----	002264415JJK		0	1,800	1,800	1,438

03/25/10	18	NON-REGULATED	ptsi residue		NON		BRIGEPORT	0928DN4 2	003718259JJJ		0	10,394	10,394	
03/25/10	1	NON-REGULATED	waste oil		NON		BRIGEPORT	0926DLHN1	003718259JJJ		0	232	232	
03/25/10	4	NON-REGULATED	benzyl alcohol		NON		NORLITE	ST-0397-03	003681585JJJ			1,612	1,612	1,612

Monthly summary				
	Tons Waste		Estimated Yearly total	
January	87		1038	
February	74		966	
March	67		910	
April	49		831	
May	7		681	
June	46		659	
July	2		567	
August	7		507	
September	10		464	
October	0		417	
November	26		408	
December	18		392	
Total	392			

2011 HAZARDOUS WASTE REPORT WORKSHEET

470.619

SHIP DATE	Invoice DATE	QTY	WASTE DESCRIPTION	VANDEMARK PRODUCT	Type of waste comment PAA	HAZ/ NON	Waste Identity	TSDF ID	APPROVAL CODE	STATE MANIFEST NUMBER	DISP. METHOD	HAZ WT LBS	HAZ WTN GALLONS	NON HAZ WT LBS	SHIP WEIGHTS LBS	RECD WEIGHTS LBS			
																	DMF	MCB	
01/04/11	01/31/11	29	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	29 drums Toluene ?	75% toluene from Benzyl Carb	HAZ	Process Cleanout	Norlite	J1119100086-101	003684199JJK	INCINERATE	11,016			11,016	11,016	0	0
01/04/11	01/31/11	4	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	4 Totes Toluene	95% toluene, Benzyl Carb and/or Carbeaster material.	HAZ	Waste Toluene	Norlite	J1119100086-101	003684199JJK	INCINERATE	5,200			5,200	5,200	0	0
01/04/11	01/31/11	1	NON REGULATED BENZYL ALCOHOL	BZOH	1 drum BZOH, BCF	BCF, 99% BZOH	NON		Norlite	J1119100086-101	003684199JJK	INCINERATE			346	346	346	0	0
01/04/11	01/31/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	<2% toluene, water, Hydrazine hydrate and Hydrazine Hydro chloride.	HAZ	BZC-hydrazine	Norlite	J1122100025-103	004399843JJK	INCINERATE	26,580	2,811		26,580	26,023	0	0
01/04/11	01/31/11	9	NON REGULATED PTSI RESIDUE		PTSI, 9 drums	90% PTSA, 10% PTSI	NON		Bridgeport	J1119100087-101	003684198JJK			5,078	5,078	5,078	5,078	0	0
01/04/11	01/31/11	1	NON REGULATED (WASTE OIL)		1 drum waste oil	10% MCB, high vac pump.	NON	Waste oil	Bridgeport		003684198JJK			444	444	444	444	0	222
01/04/11	01/31/11	1	WASTE FLAMMABLE LIQUID	METHANOL HYDROCHLORIC ACID	1 drum Solvent Rag layer.	90% Methanol	HAZ	Process Cleanout	Bridgeport		003684198JJK	INCINERATE	476			476	476	0	0
01/18/11	02/28/11	24?	HAZ WASTE SOLID			No solvent, 50% ADI, 50% ADI impurities.	HAZ	ADI still bottoms	Clean Harbors	1378178-1	003684205JJK	INCINERATE	7,733			7,733	7,733	0	0
01/18/11	02/28/11	2	WASTE XYLENES	ADI		90% Xylene	HAZ	ADI Xylene	Clean Harbors	CH30298WTS	003684205JJK	INCINERATE	703			703	1,032	0	0
01/18/11	02/28/11	11	WASTE TOXIC SOLIDS	AMIDE CHLORIDE		95% Amide Chloride, 5% DMF	HAZ	ACL	Clean Harbors	1393044	003684205JJK	INCINERATE	3,431			3,431	3,431	121.55	0
01/18/11	02/28/11	5	NON REGULATED PHCF	PHCF Still Bottom Toluene	Iso container clean out?	5% toluene, rest water?	NON	PhCF	Clean Harbors	1378189	003684205JJK			2,140	2,140	2,140	2,140	0	0
01/20/11	02/07/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	<2% toluene, water, Hydrazine hydrate and Hydrazine Hydro chloride.	HAZ	BZC-hydrazine	Norlite	J112210026-101	004399842JJK	INCINERATE	35,178	3,700		35,140	35,178	0	0
01/21/11		2	HAZARDOUS WASTE SOLID NOS				HAZ		SIEMENS	VAN-SOLVNY-CP	002264426JJK	RECYCLE	4,000			4,000	5,300	0	0
01/21/11		2	HAZARDOUS WASTE SOLID NOS				HAZ		SIEMENS	VAN-CHEMNY-VWV	002264426JJK	RECYCLE	9,000			9,000	7,689	0	0
01/21/11		1	HAZARDOUS WASTE SOLID NOS				HAZ		SIEMENS	VAN-TERTNY-CP	002264426JJK	RECYCLE	1,800			1,800	2,630	0	0
01/25/11	02/11/11	20	NON REGULATED MATERIAL	FILTER BAGS W/ 2CMBSA	2-CMBSI	2-CMBSA dust	NON		COVANTA	7923	476379??	INCINERATE			2,600	2,600	2,600	0	0
01/27/11	02/07/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	<2% toluene, water, Hydrazine hydrate and Hydrazine Hydro chloride.	HAZ	BZC-hydrazine	Norlite	J1122100026-102	004399841JJK	INCINERATE	35,499	3,905		36,000	35,499	0	0
02/03/11	02/21/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	<2% toluene, water, Hydrazine hydrate and Hydrazine Hydro chloride.	HAZ	BZC-hydrazine	Norlite	J1122100026-102	004398562JJK	INCINERATE	35,757	3,828		35,800	35,757	0	0
02/10/11	02/28/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	<2% toluene, water, Hydrazine hydrate and Hydrazine Hydro chloride.	HAZ	BZC-hydrazine	Norlite	J1122100026-103	004399840JJK	INCINERATE	37,782	3,872		37,660	37,782	0	0
02/17/11		1	HAZ WASTE SOLID	SPENT CARBON - ISOPROPANOL	2,4 DCBHA carbon?	IPOH	HAZ		SIEMENS	VAN-LCKPNY-VWV	002264427JJK	RECYCLE	4,500			4,500	3,346	0	0
02/17/11		1	HAZ WASTE SOLID	SPENT CARBON - CHLORO BENZENE			HAZ		SIEMENS	VAN-CHEMNY-VWV	002264427JJK	RECYCLE	4500			4,500	3,513	0	0
02/17/11	02/28/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	<2% toluene, water, Hydrazine hydrate and Hydrazine Hydro chloride.	HAZ	BZC-hydrazine	Norlite	J1122100026-103	004398561JJK	INCINERATE	37,282	3,956		37,660	37,282	0	0
02/24/11	03/16/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	<2% toluene, water, Hydrazine hydrate and Hydrazine Hydro chloride.	HAZ	BZC-hydrazine	Norlite	J1122100027-102	004399839JJK	INCINERATE	41576	4,532		41,980	41,576	0	0
03/11/11	04/28/11	15	NON REGULATED MATERIAL	2-CMBSA FILTER BAGS	2-CMBSI	2-CMBSA dust	NON		COVANTA		NYD982792814				1,950	1,950	1,950	0	0
03/24/11	05/11/11	16	NON REGULATED MATERIAL	PTSI RESIDUE	PTSI, 16 drums	90% PTSA, 10% PTSI	NON		Bridgeport	J0308110137-101	003684212JJK			9,568	9,588	9,568	9,568	0	0
03/24/11	04/28/11	23	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	23 drums	75% toluene from Benzyl Carb	HAZ	Waste Toluene	Norlite	J0308110137-101	008344565JJK	INCINERATE	9499			9,499	9,499	0	0
03/24/11	04/28/11	19	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	19 drums	75% toluene from Benzyl Carb	HAZ	Waste Toluene	Norlite	J0308110137-101	008344565JJK	INCINERATE	7847			7,847	7,847	0	0
03/24/11	04/28/11	4	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	(4) totes.	95% toluene, Benzyl Carb and/or Carbeaster material.	HAZ	Waste Toluene	Norlite	J0308110137-101	008344565JJK	INCINERATE	6598			6,598	6,598	0	0
04/11	04/28/11	2	NON REGULATED MATERIAL	Off Spec PNBC	(2) drums PNBC off spec? Rag?	90% PNBC	NON		Norlite	J0308110137-101	008344565JJK			846	846	846	846	0	0
04/11	04/28/11	3	NON REGULATED MATERIAL	BENZYL ALCOHOL	1 drum	BCF, 99% BZOH	NON		Norlite	J0308110137-101	008344565JJK			1,083	1,083	1,083	1,083	0	0
03/24/11	04/28/11	1	NON REGULATED MATERIAL	BENZYL ALCOHOL	1 totes	BCF, 99% BZOH	NON		Norlite	J0308110137-101	008344565JJK			850	850	850	850	0	0
03/24/11	06/09/11	1	WASTE CORROSIVE LIQUID			Lab pack	HAZ		Clean Harbors		008344566JJK	INCINERATE	4			4	4	0	0
03/24/11	06/09/11	1	WASTE FLAMMABLE LIQUID			Lab pack	HAZ		Clean Harbors		008344566JJK	INCINERATE	27			27	27	0	0
03/24/11	06/09/11	1	WASTE AMINE, LIQUID CORROSIVE			Lab pack	HAZ		Clean Harbors		008344566JJK	INCINERATE	40			40	40	0	0
03/24/11	06/09/11	1	CORROSIVE LIQUID,ACIDIC			Lab pack	HAZ		Clean Harbors		008344566JJK	NONE	4			4	4	0	0
03/24/11	06/09/11	1	TOXIC SOLIDS, ORGANIC			Lab pack	HAZ		Clean Harbors		008344566JJK	NONE	15			15	15	0	0

2011 HAZARDOUS WASTE REPORT WORKSHEET

470.619																	
SHIP DATE	INVOICE DATE	QTY	WASTE DESCRIPTION	WASTE MARK/PRODUCT	Type of waste comment PAA	HAZ/ NON	Waste Identity	TSDF	APPROVAL CODE	STATE MANIFEST NUMBER	DISP METHOD	HAZ WT LBS	HAZ WHN GALLONS	NON HAZ WT LBS	SHIP WEIGHTS LBS	REGD WEIGHTS LBS	
03/24/11	06/06/11	1	TOXIC LIQUIDS ORGANIC		Lab pack	HAZ		Clean Harbors		008344566JJJ	NONE	20			20	20	
03/24/11	05/11/11	1	WASTE POISON INHALATION	METHYL CF	R&D	HAZ		Clean Harbors		008344584JJJ	NONE	40			40	40	
03/24/11	05/11/11	2	WASTE FLAMMABLE LIQUIDS	ACETONE, SODIUM HYDROXIDE	??BZOH/NAo4?), CLEAN_out DRUMs.	HAZ		Clean Harbors		008344584JJJ	INCINERATE	405			405	405	
03/24/11	05/11/11	1	WASTE TOXIC SOLIDS	TRIPHOSGENE	R&D	HAZ		Clean Harbors		008344584JJJ	INCINERATE	78			78	78	
03/24/11	05/11/11	17	HAZARDOUS WASTE SOLID NOS	??	Potentially Pt-16 waste...	HAZ		Clean Harbors		008344584JJJ	INCINERATE	5899			5,899	5,899	
03/24/11	05/11/11	2	WASTE TOXIC SOLIDS	AMIDE CHLORIDE		HAZ	ACL	Clean Harbors		008344584JJJ	INCINERATE	800			800	800	
03/24/11	05/11/11	1	HAZARDOUS WASTE SOLID NOS			HAZ		Clean Harbors		008344584JJJ	INCINERATE	496			496	496	
04/07/11		3	HAZARDOUS WASTE SOLID NOS			HAZ		SIEMENS	VAN-CHEMNYY-WW	002264428JJJ	RECYCLE	13500			13,500	11,510	0
04/07/11		3	HAZARDOUS WASTE SOLID NOS			HAZ		SIEMENS	VAN-TOLU-NY-CP	002264428JJJ	RECYCLE	4800			4,800	4,497	0
04/29/11	05/20/11	27	NON REGULATED MATERIAL	2-CMBSA FILTER BAGS	2-CMBSI	NON		COVANTA	7923	491274	INCINERATE			3,510	3,510	3,510	0
05/06/11	07/12/11	1	WASTE FLAMMABLE LIQUID	METHANOL, TOLUENE	????	HAZ	Carbaester	Norlite	ST0285-03	008059931JJJ	INCINERATE	36560	4,331		36,560	36,560	0
05/10/11		1	TOLUENE, PRODUCT	TOLUENE		PROD	CARB RECYCLE							46,660			0
05/17/11		3	HAZ WASTE SOLID	SPENT CARBON TOLUENE		HAZ		SIEMENS	VAN-CHEMNYY-WW	002264429JJJ	RECYCLE	13500			13,500	14,016	0
05/17/11		1	HAZ WASTE SOLID	SPENT CARBON - CHLOROBENZENE		HAZ		SIEMENS	VAN-SOLVNY-CP	002264429JJJ	RECYCLE	1500			1,500	2,335	0
05/17/11		1	HAZ WASTE SOLID	SPENT CARBON - HEPTANE		HAZ		SIEMENS	VAN-TETRNYY-CP	002264429JJJ	RECYCLE	1510			1,510	2,174	0
05/17/11	06/27/11	1	WASTE FLAMMABLE LIQUIDS	METHANOL , TOLUENE	Carbaester	HAZ	Carbaester	Norlite		008059929JJJ	INCINERATE	30719	3,906		30,800	30,719	0
05/18/11	06/29/11	13	NON REGULATED MATERIAL	FILTER BAGS W/ 2CMBSA	2-CMBSI	NON		CONVANTA	08-107	NYD175773779	INCINERATE			1,690	1,690	1,690	0
05/18/11	06/29/11	3	NON REGULATED MATERIAL	COAL TAR	WHY VDM? NOT SNPE?	NON		CONVANTA	08-107	NYD175773779	INCINERATE			4,500	4,500	4,500	0
			EXTRA BILLING...JUST TO TRACK COST.									0					0
05/24/11	9/2011 + 07/	1	WASTE FLAMMABLE LIQUID	METHANOL, TOLUENE	Rejected 548 gallons	HAZ	Process Cleanout	Norlite	J0513110048-101	008059927JJJ	INCINERATE	39540	5,285		43,640	39,540	0
05/27/11	06/27/11	1	NON REGULATED MATERIAL	NON HAZ SOLIDS		NON		Bridgeport		008348663JJJ				578	578	578	0
05/27/11	06/27/11	4	NON REGULATED MATERIAL	PTSI RESIDUE		NON		Bridgeport		008348663JJJ				2,360	2,360	2,360	0
05/27/11	06/27/11	1	NON REGULATED MATERIAL	WASTE OIL		NON	Waste oil	Bridgeport		008348663JJJ				193	193	193	0
05/27/11	06/27/11	29	HAZARDOUS FLAMMABLE LIQUID	ACETONE TOLUENE	?	HAZ	Waste Toluene	Norlite	ST0045-02	008348665JJJ	INCINERATE	11600			11,600	11,600	0
05/27/11	06/27/11	11	HAZARDOUS FLAMMABLE LIQUID	ACETONE TOLUENE	?	HAZ	Waste Toluene	Norlite	ST0045-02	008348665JJJ	INCINERATE	4675			4,675	4,675	0
05/27/11	06/27/11	5	WASTE	N,N-DIMETHYLFORMAMIDE	95%	HAZ	Waste DMF	Norlite	ST-0102-02	008348665JJJ	INCINERATE	1444			1,444	1,444	1444
05/27/11	06/27/11	2	WASTE FLAMMABLE LIQUID	TOLUENE, DIETHYLAMINE	HEGCL	HAZ	HEGCL, 50 tol	Norlite	ST-0148-02	008348665JJJ		666			666	666	0
06/03/11	07/18/11	2	WASTE FLAMMABLE LIQUID	TOLUENE, METHANOL	LAB non Reactive waste	HAZ		Clean Harbors	658565	008348647JJJ	INCINERATE	679			679	679	0
06/03/11	07/18/11	16	HAZ WASTE SOLID	CDHI solids?	CHDI?	HAZ		Clean Harbors	1378178-1	008348647JJJ	INCINERATE	4542			4542	4,542	0
06/03/11	07/18/11	2	WASTE TOXIC SOLIDS	1,4 CYCLOHEXANDE DIISOCYANATE	CHDI?	HAZ		Clean Harbors	CH31578WTS	008348647JJJ	INCINERATE	614			614	614	0
06/03/11	07/18/11	5	WASTE TOXIC SOLIDS	1,4 CYCLOHEXANDE DIISOCYANATE	CHDI?	HAZ		Clean Harbors		008348647JJJ	INCINERATE	2123			2123	2,123	0
06/06/11		1	HAZARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE		HAZ		SIEMENS	VAN-CHEMNYY-WW	002264430JJJ	RECYCLE	4500			4,500	3,621	0
06/06/11		2	HAARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE		HAZ		SIEMENS	VAN-VDMNY-AF	002264430JJJ	RECYCLE	360			360	564	0
06/06/11	07/06/11	1	HAZARDOUS FLAMMABLE LIQUID	TOLUENE, METHANOL	Carbaester	HAZ	Carbaester	Norlite	ST0045-02	008059219JJJ	INCINERATE	26121	2,900		26,121	26,121	0
06/23/11	08/08/11	1	HAZARDOUS FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate	HAZ	BZC-hydrazine	Norlite	P04080800FGMS	004399711JJJ	INCINERATE	26023	2,786		27,040	26,023	0
07/01/11		1	HAZARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE		HAZ		SIEMENS	VAN-SOLVYNY-CP	002264431JJJ	RECYCLE	1800			1,914	0	0
07/01/11		2	HAZARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE		HAZ		SIEMENS	VAN-CHEMNYY-WW	002264431JJJ	RECYCLE	9000			7,606	0	0
07/01/11	08/08/11	1	HAZARDOUS FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	HAZ	BZC-hydrazine	Norlite	P04080800FGMS	004399713JJJ	INCINERATE	35463			35,720	35,463	0
07/07/11	08/08/11	1	HAZARDOUS FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	HAZ	BZC-hydrazine	Norlite	P04080800FGMS	004399714JJJ	INCINERATE	34511			35,080	34,511	0
07/14/11		1	HAZARDOUS FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	HAZ	BZC-hydrazine	Norlite	P04080800FGMS	004399715JJJ	INCINERATE	34318			33,360	34,318	0
07/19/11		1	HAZARDOUS FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	HAZ	BZC-hydrazine	Norlite	P04080800FGMS	004399716JJJ	INCINERATE	41744			41,760	41,744	0
07/21/11		1	HAZARDOUS FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	HAZ	BZC-hydrazine	Norlite	P04080800FGMS	004399717JJJ	INCINERATE	40862			41,760	40,862	0
07/27/11		26	HAZARDOUS FLAMMABLE LIQUID	ACETONE, TOLUENE	?	HAZ	Waste Toluene	Norlite	ST0045-02	008344312JJJ	INCINERATE	9272			9,272	9,272	0
07/27/11		18	HAZARDOUS FLAMMABLE LIQUID	ACETONE, TOLUENE	?	HAZ	Waste Toluene	Norlite	ST0045-02	008344312JJJ	INCINERATE	8627			8,627	8,627	0
07/27/11		1	HAZARDOUS WASTE LIQUID	AQUEOUS TANK SLUDGE	?	HAZ		Norlite	ST-0151-03	008344312JJJ	INCINERATE	568			568	568	0
07/27/11		2	HAZARDOUS FLAMMABLE LIQUID	TOLUENE HYDROCHLORIC ACID		HAZ	Waste DMF	Bridgeport	2258ESTD2L	008344313JJJ	INCINERATE	376			376	376	376
07/27/11		15	NON REGULATED MATERIAL	PTSI RESIDUE	PTSI	NON		Bridgeport	J0630110106-101	008344313JJJ				8,625	8,625	8,625	0

2011 HAZARDOUS WASTE REPORT WORKSHEET

470.619

SHIP DATE	INVOICE DATE	QTY	WASTE DESCRIPTION	VANDEMARK PROD	Type of waste comment PAA	HAZ/ NON	Waste Identity	HSDF	APPROVAL CODE	STATE MANIFEST NUMBER	DISP METHOD	HAZ WT LBS	HAZ VTN GALLONS	NONHAZ WT LBS	SHIP WEIGHTS LBS	REC'D WEIGHTS LBS		
07/27/11		3	HAZARDOUS WASTE SOLID NOS		DBAD	HAZ		Clean Harbors	CH26408WTS	008333371JJJ	INCINERATE	984			984	984	0	0
07/27/11		17	HAZARDOUS WASTE SOLID NOS	???	???	HAZ		Clean Harbors	1378178-1	008344578JJJ	INCINERATE	4542			4,542	4,542	0	0
07/27/11		4	HAZARDOUS WASTE SOLID NOS	TOLUENE, METHANOL	LAB non Reactive waste	HAZ	Process Cleanout	Clean Harbors	658565	008344578JJJ	INCINERATE	1836			1,836	1,836	0	0
07/27/11		3	HAZARDOUS FLAMMABLE LIQUID	ACETONE/HCL ACID	Mixed non reactive solvents.	HAZ	Process Cleanout	Clean Harbors	1419718	008344578JJJ	INCINERATE	1204			1,204	1,204	0	0
07/27/11		4	WASTE ISOCYANATE SOLUTIONS	CHDI/PTSI pre-cut.		HAZ	PTSI	Clean Harbors	1318824	008344578JJJ	INCINERATE	1668			1,668	1,668	0	0
07/27/11		1	WASTE ISOCYANATE SOLUTIONS	CHDI/PTSI pre-cut.	OVERPACK	HAZ	PTSI	Clean Harbors	1318824	008344578JJJ	INCINERATE	88			88	88	0	0
07/28/11		1	HAZARDOUS FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	HAZ	BZC-hydrazine	Norlite	P04080800FGMS	004399718JJJ	INCINERATE	38677				38,677	0	0
08/04/11		1	HAZARDOUS FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	HAZ	BZC-hydrazine	Norlite	P04080800FGMS	004399719JJJ	INCINERATE	35336				35,336	0	0
08/08/11		1	HAZARDOUS FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	HAZ	BZC-hydrazine	Norlite	P04080800FGMS	004399720JJJ	INCINERATE	34673	3,712			34,673	0	0
08/10/11		1	HAZARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE		HAZ		SIEMENS	VAN-CHEMNY-WW	002264432JJJ	RECYCLE	9000					0	0
08/10/11		2	HAARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE		HAZ		SIEMENS	VAN-VDMNY-AF	002264432JJJ	RECYCLE	180					0	0
08/11/11		1	HAZARDOUS FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate	HAZ	BZC-hydrazine	Norlite	P04080800FGMS	008348632JJJ	INCINERATE	36256	3,952			36,256	0	0
08/31/11		1	HAZARDOUS FLAMMABLE LIQUID	TOLUENE, METHANOL	LAB non Reactive waste	HAZ	Process Cleanout	Clean Harbors	658565	008343176JJJ	INCINERATE	453			453	453	0	0
08/31/11		4	HAZARDOUS FLAMMABLE LIQUID	TOLUENE, METHANOL	LAB non Reactive waste	HAZ	Process Cleanout	Clean Harbors	658565	008343176JJJ	INCINERATE	1473			1,473	1,473	0	0

VDM00766

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Tons total waste	662.1267403	1,434,493
Minus carbon	1,177,564	
al Estimated Tons	608.78	Haz Waste Tons Annual
Tax Rate	\$130.00	/ton
ated HzWaste fee	\$79,141.69	

Norlite
Bridgeport
Clean Harbors
Tons

5351.9	26454
376	318.5
247.55	1752
2.969725	14.26425

DO NOT NEED TO SEND NON REGULATED MANIFEST OUT

LBS / SP GRAVITY / 8.34 = GALS

Waste Identity	% Solvent
ACL	5% DMF
BZC	100% Toluene
BZC-hydrazine	2% Toluene
Carbaester	80% MeOH

0.05
1
0.02
0.8

2011 HAZARDOUS WASTE REPORT WORKSHEET

SHIP DATE	Invoice DATE	QTY	WASTE DESCRIPTION	WASTE	VANDEMARK PRODI	Type of waste comment PAA	HAZ/ NON											Hazardous Waste Reduction Plan				
								Form R Reportable Chemicals					Spent Carbon		Waste solvents	Off spec product	Lab Waste	Aq splits				
								MeOH	Toluene	Xylene	HCl	POH	SIEMENS	Waste oil	Process Cleanout	Waste DMF	Lab pack					
01/04/11	01/31/11	29	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	29 drums Toluene ?	75% toluene from Benzyl Carb	HAZ	11016	0	0			0	0	11016	0	0	0				
01/04/11	01/31/11	4	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	4 Totes Toluene	95% toluene, Benzyl Carb and/or Carbeaster material.	HAZ	0	5200	0			0	0	5200	0	0	0				
01/04/11	01/31/11	1	NON REGULATED BENZYL ALCOHOL	BZOH	1 drum BZOH, BCF	BCF, 99% BZOH	NON	0	0	0			0	0	0	0	0	0				
01/04/11	01/31/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	<2% toluene, water, Hydrazine hydrate and Hydrazine Hydro chloride.	HAZ	0	520.46	0			0	0	0	0	0	0			26023	
01/04/11	01/31/11	9	NON REGULATED PTSI RESIDUE		PTSI, 9 drums	90% PTSA, 10% PTSI	NON	0	0	0			0	0	0	0	0	0				
01/04/11	01/31/11	1	NON REGULATED (WASTE OIL)		1 drum waste oil	10% MCB, high vac pump.	NON	0	0	0			0	444	0	0	0	0				
01/04/11	01/31/11	1	WASTE FLAMMABLE LIQUID	METHANOL HYDROCHLORIC ACID	1 drum Solvent Rag layer.	90% Methanol	HAZ	476	0	0			0	0	476	0	0	0				
01/18/11	02/28/11	24?	HAZ WASTE SOLID	24 drums of Solids waste, ? ADI?		No solvent, 50% ADI, 50% ADI impurities.	HAZ	0	0	3650.5			0	0	0	0	0	0				
01/18/11	02/28/11	2	WASTE XYLENES	ADI		90% Xylene	HAZ	0	0	1002			0	0	0	0	0	0				
01/18/11	02/28/11	11	WASTE TOXIC SOLIDS	AMIDE CHLORIDE		95% Amide Chloride, 5% DMF	HAZ	0	0	0			0	0	0	0	0	0				
01/18/11	02/28/11	5	NON REGULATED PHCF	PHCF Still Bottom Toluene	Iso container clean out?	5% toluene, rest water?	NON	0	0	0			0	0	0	0	0	0				
01/20/11	02/07/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	<2% toluene, water, Hydrazine hydrate and Hydrazine Hydro chloride.	HAZ	0	703.56	0			0	0	0	0	0	0			35178	
01/21/11		2	HAZARDOUS WASTE SOLID NOS				HAZ	0	0	0			5300	0	0	0	0	0				
01/21/11		2	HAZARDOUS WASTE SOLID NOS				HAZ	0	0	0			7689	0	0	0	0	0				
01/21/11		1	HAZARDOUS WASTE SOLID NOS				HAZ	0	0	0			2630	0	0	0	0	0				
01/25/11	02/11/11	20	NON REGULATED MATERIAL	FILTER BAGS W/ 2CMBSA	2-CMBSI	2-CMBSA dust	NON	0	0	0			0	0	0	0	0	0				
01/27/11	02/07/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	<2% toluene, water, Hydrazine hydrate and Hydrazine Hydro chloride.	HAZ	0	709.95	0			0	0	0	0	0	0			35499	
02/03/11	02/21/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	<2% toluene, water, Hydrazine hydrate and Hydrazine Hydro chloride.	HAZ	0	715.14	0			0	0	0	0	0	0			35757	
02/10/11	02/28/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	<2% toluene, water, Hydrazine hydrate and Hydrazine Hydro chloride.	HAZ	0	755.64	0			0	0	0	0	0	0			37782	
02/17/11		1	HAZ WASTE SOLID	SPENT CARBON - ISOPROPANOL	2,4 DCBHA carbon?	IPOH	HAZ	0	0	0			3346	0	0	0	0	0				
02/17/11		1	HAZ WASTE SOLID	SPENT CARBON - CHLOROBENZENE			HAZ	0	0	0			3513	0	0	0	0	0				
02/17/11	02/28/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	<2% toluene, water, Hydrazine hydrate and Hydrazine Hydro chloride.	HAZ	0	745.64	0			0	0	0	0	0	0			37282	
02/24/11	03/16/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	<2% toluene, water, Hydrazine hydrate and Hydrazine Hydro chloride.	HAZ	0	831.52	0			0	0	0	0	0	0			41576	
03/11/11	04/28/11	15	NON REGULATED MATERIAL	2-CMBSA FILTER BAGS	2-CMBSI	2-CMBSA dust	NON	0	0	0			0	0	0	0	0	0				
03/24/11	05/11/11	16	NON REGULATED MATERIAL	PTSI RESIDUE	PTSI, 16 drums	90% PTSA, 10% PTSI	NON	0	0	0			0	0	0	0	0	0				
03/24/11	04/28/11	23	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	23 drums	75% toluene from Benzyl Carb	HAZ	0	9499	0			0	0	9499	0	0	0				
03/24/11	04/28/11	19	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	19 drums	75% toluene from Benzyl Carb	HAZ	0	7847	0			0	0	7847	0	0	0				
03/24/11	04/28/11	4	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	(4) totes.	95% toluene, Benzyl Carb and/or Carbeaster material.	HAZ	0	6598	0			0	0	6598	0	0	0				
03/24/11	04/28/11	2	NON REGULATED MATERIAL	Off Spec PNBC	(2) drums PNBC off spec? Rag?	90% PNBC	NON	0	0	0			0	0	0	0	0	0				
03/24/11	04/28/11	3	NON REGULATED MATERIAL	BENZYL ALCOHOL	1 drum	BCF, 99% BZOH	NON	0	0	0			0	0	0	0	0	0				
03/24/11	04/28/11	1	NON REGULATED MATERIAL	BENZYL ALCOHOL	1 totes	BCF, 99% BZOH	NON	0	0	0			0	0	0	0	0	0				
03/24/11	06/09/11	1	WASTE CORROSIVE LIQUID			Lab pack	HAZ	0	0	0			0	0	0	0	0	4			0	
03/24/11	06/09/11	1	WASTE FLAMMABLE LIQUID			Lab pack	HAZ	0	0	0			0	0	0	0	0	27			0	
03/24/11	06/09/11	1	WASTE AMINE, LIQUID CORROSIVE			Lab pack	HAZ	0	0	0			0	0	0	0	0	40			0	
03/24/11	06/09/11	1	CORROSIVE LIQUID,ACIDIC			Lab pack	HAZ	0	0	0			0	0	0	0	0	4			0	
03/24/11	06/09/11	1	TOXIC SOLIDS, ORGANIC			Lab pack	HAZ	0	0	0			0	0	0	0	0	15			0	

2011 HAZARDOUS WASTE REPORT WORKSHEET

SHIP DATE	Invoice DATE	QTY	WASTE DESCRIPTION	VANDEMARK PRODS	Type of waste comment PAA	HAZ/ NON	Hazardous Waste Reduction Plan											
							Form R Reportable Chemicals					Spent Carbon		Waste solvents	Off spec product	Lab Waste	Aq splits	
03/24/11	06/06/11	1	TOXIC LIQUIDS ORGANIC		Lab pack	HAZ	0	0	0			0	0	0	0	20	0	
03/24/11	05/11/11	1	WASTE POISON INHALATION	METHYL CF	99% MCF	HAZ	0	0	0			0	0	0	0	0	0	
					??BZOH/NaOH?, CLEAN_out													
03/24/11	05/11/11	2	WASTE FLAMMABLE LIQUIDS	ACETONE, SODIUM HYDROXIDE	DRUMs.	HAZ	0	0	0			0	0	0	0	0	0	
03/24/11	05/11/11	1	WASTE TOXIC SOLIDS	TRIPHOSGENE	R&D	HAZ	0	0	0			0	0	0	0	0	0	
03/24/11	05/11/11	17	HAZARDOUS WASTE SOLID NOS	??	Potentially Pt-16 waste...	HAZ	0	0	0			0	0	0	0	0	0	
03/24/11	05/11/11	2	WASTE TOXIC SOLIDS	AMIDE CHLORIDE		HAZ	0	0	0			0	0	0	0	0	0	
03/24/11	05/11/11	1	HAZARDOUS WASTE SOLID NOS			HAZ	0	0	0			0	0	0	0	0	0	
04/07/11		3	HAZARDOUS WASTE SOLID NOS			HAZ	0	0	0			11510	0	0	0	0	0	
04/07/11		3	HAZARDOUS WASTE SOLID NOS			HAZ	0	0	0			4497	0	0	0	0	0	
04/29/11	05/20/11	27	NON REGULATED MATERIAL	2-CMBSA FILTER BAGS	2-CMBSI	NON	0	0	0			0	0	0	0	0	0	
					Carbeaster, 80% MeOH													
05/06/11	07/12/11	1	WASTE FLAMMABLE LIQUID	METHANOL, TOLUENE	????	HAZ	29248	0	0			0	0	0	0	0	0	
05/10/11		1	TOLUENE, PRODUCT	TOLUENE		PROD	0	0	0			0	0	0	0	0	0	
05/17/11		3	HAZ WASTE SOLID	SPENT CARBON TOLUENE		HAZ	0	0	0			14016	0	0	0	0	0	
05/17/11		1	HAZ WASTE SOLID	SPENT CARBON - CHLOROBENZENE		HAZ	0	0	0			2335	0	0	0	0	0	
05/17/11		1	HAZ WASTE SOLID	SPENT CARBON - HEPTANE		HAZ	0	0	0			2174	0	0	0	0	0	
05/17/11	06/27/11	1	WASTE FLAMMABLE LIQUIDS	METHANOL , TOLUENE	Carbeaster	HAZ	24575.2	0	0			0	0	0	0	0	0	
05/18/11	06/29/11	13	NON REGULATED MATERIAL	FILTER BAGS W/ 2CMBSA	2-CMBSI	NON	0	0	0			0	0	0	0	0	0	
05/18/11	06/29/11	3	NON REGULATED MATERIAL	COAL TAR	WHY VDM? NOT SNPE?	NON	0	0	0			0	0	0	0	0	0	
			EXTRA BILLING....JUST TO TRACK COST.				0	0	0			0	0	0	0	0	0	
05/24/11	9/2011 + 07/	1	WASTE FLAMMABLE LIQUID	METHANOL, TOLUENE	Rejected 548 gallons	HAZ	39540	0	0			0	0	39540	0	0	0	
05/27/11	06/27/11	1	NON REGULATED MATERIAL	NON HAZ SOLIDS		NON	0	0	0			0	0	0	0	0	0	
05/27/11	06/27/11	4	NON REGULATED MATERIAL	PTSI RESIDUE		NON	0	0	0			0	0	0	0	0	0	
05/27/11	06/27/11	1	NON REGULATED MATERIAL	WASTE OIL		NON	0	0	0			0	193	0	0	0	0	
05/27/11	06/27/11	29	HAZARDOUS FLAMMABLE LIQUID	ACETONE TOLUENE	?	HAZ	0	11600	0			0	0	11600	0	0	0	
05/27/11	06/27/11	11	HAZARDOUS FLAMMABLE LIQUID	ACETONE TOLUENE	?	HAZ	0	4675	0			0	0	4675	0	0	0	
05/27/11	06/27/11	5	WASTE	N,N-DIMETHYLFORMAMIDE	95%	HAZ	0	0	0			0	0	0	1444	0	0	
05/27/11	06/27/11	2	WASTE FLAMMABLE LIQUID	TOLUENE, DIETHYLAMINE	HEGCL	HAZ	0	333	0			0	0	0	0	0	0	
06/03/11	07/18/11	2	WASTE FLAMMABLE LIQUID	TOLUENE, METHANOL	LAB non Reactive waste	HAZ	0	0	0			0	0	0	0	0	0	
06/03/11	07/18/11	16	HAZ WASTE SOLID	CDHI solids?	CHDI?	HAZ	0	0	0			0	0	0	0	0	0	
06/03/11	07/18/11	2	WASTE TOXIC SOLIDS	1,4 CYCLOHEXANDE DIISOCYANATE	CHDI?	HAZ	0	0	0			0	0	0	0	0	0	
06/03/11	07/18/11	5	WASTE TOXIC SOLIDS	1,4 CYCLOHEXANDE DIISOCYANATE	CHDI?	HAZ	0	0	0			0	0	0	0	0	0	
06/06/11		1	HAZARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE		HAZ	0	0	0			3621	0	0	0	0	0	
06/06/11		2	HAZARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE		HAZ	0	0	0			564	0	0	0	0	0	
06/06/11	07/06/11	1	HAZARDOUS FLAMMABLE LIQUID	TOLUENE, METHANOL	Carbeaster	HAZ	20899.8	0	0			0	0	0	0	0	0	
06/23/11	08/08/11	1	HAZARDOUS FLAMMABLE LIQUID	TOLUENE	Benzyl carbazate	HAZ	0	520.46	0			0	0	0	0	0	26023	
07/01/11		1	HAZARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE		HAZ	0	0	0			1914	0	0	0	0	0	
07/01/11		2	HAZARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE		HAZ	0	0	0			7606	0	0	0	0	0	
07/01/11	08/08/11	1	HAZARDOUS FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	HAZ	0	709.26529	0			0	0	0	0	0	35463.2646	
07/07/11	08/08/11	1	HAZARDOUS FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	HAZ	0	690.22	0			0	0	0	0	0	34511	
07/14/11		1	HAZARDOUS FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	HAZ	0	686.36198	0			0	0	0	0	0	34318.0992	
07/19/11		1	HAZARDOUS FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	HAZ	0	334.8807	0			0	0	0	0	0	41744.0352	
07/21/11		1	HAZARDOUS FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	Benzyl carbazate	HAZ	0	817.24494	0			0	0	0	0	0	40862.247	
07/27/11		26	HAZARDOUS FLAMMABLE LIQUID	ACETONE, TOLUENE	?	HAZ	0	9272	0			0	0	9272	0	0	0	
07/27/11		18	HAZARDOUS FLAMMABLE LIQUID	ACETONE, TOLUENE	?	HAZ	0	8627	0			0	0	8627	0	0	0	
07/27/11		1	HAZARDOUS WASTE LIQUID	AQUEOUS TANK SLUDGE	?	HAZ	0	0	0			0	0	0	0	0	0	
07/27/11		2	HAZARDOUS FLAMMABLE LIQUID	TOLUENE HYDROCHLORIC ACID		HAZ	0	0	0			0	0	0	376	0	0	
07/27/11		15	NON REGULATED MATERIAL	PTSI RESIDUE	PTSI	NON	0	0	0			0	0	0	0	0	0	

2011 HAZARDOUS WASTE REPORT WORKSHEET

VDM00769

SHIP DATE	Invoice DATE	QTY	WASTE DESCRIPTION	VANDEMARK PROD	Type of waste comment PAA	HAZ/ NON	Form R Reportable Chemicals										Hazardous Waste Reduction Plan					
							Spent Carbon		Waste solvents	Off spec product	Lab Waste	Aq splits										
09/07/11		2	HAZARDOUS WASTE SOLID NOS	SPENT CARBON		HAZ	0	0	0			7940	0	0	0	0	0					
07/11		1	HAZARDOUS WASTE SOLID NOS	SPENT CARON - CHLOROBENZENE		HAZ	0	0	0			269	0	0	0	0	0					
09/20/11		27	NON REGULATED MATERIAL	FILTER BAGS W/ 2CMBSA	2-CMBSI	NON	0	0	0			0	0	0	0	0	0					
09/22/11		1	HAZARDOUS FLAMMABLE LIQUID	TOLUENE, METHANOL	Carbeaster	HAZ	31998.912	0	0			0	0	0	0	0	0					
09/22/11		1	TOLUENE, PRODUCT	TOLUENE	Toluene	PROD	0	0	0			0	0	0	0	0	0					
09/27/11		1	HAZARDOUS FLAMMABLE LIQUID	TOLUENE, METHANOL	Carbeaster	HAZ	28880.986	0	0			0	0	0	0	0	0					
09/28/11		2	HAZARDOUS WASTE SOLID NOS	SPENT CARBON		HAZ	0	0	0			8040	0	0	0	0	0					
10/04/11		10	NON REGULATED MATERIAL	PTSI RESIDUE	PTSI	NON	0	0	0			0	0	0	0	0	0					
10/04/11		1	HAZARDOUS WASTE SOLID NOS	SPENT CARBON - CHLOROBENZENE		HAZ	0	0	0			3990	0	0	0	0	0					
10/04/11		17	HAZARDOUS WASTE SOLID NOS	DMF W/ MIXED SOLVENTS	???	HAZ	0	0	0			0	0	0	0	0	0					
10/04/11		51	HAZARDOUS WASTE SOLID NOS	Waste flammables (acetone/tolunene)	Process cleanout	HAZ	0	0	0			0	0	0	0	0	0					
10/04/11		1	HAZARDOUS FLAMMABLE LIQUID	Waste Caustic		HAZ	0	0	0			0	0	0	0	0	0					
10/25/11		41	HAZARDOUS FLAMMABLE LIQUID	AQUEOUS TANK SLUDGE		HAZ	0	0	0			0	0	0	0	0	0					
10/25/11		1	HAZARDOUS FLAMMABLE LIQUID	Waste flammables (acetone/tolunene)		HAZ	0	343	0			0	0	343	0	0	0					
10/25/11		4	HAZARDOUS FLAMMABLE LIQUID	Waste flammables (DMF))	DMF, toluene	HAZ	0	0	0			0	0	0	1899	0	0					
10/25/11		11	HAZARDOUS FLAMMABLE LIQUID	Waste flammables (acetone/tolunene)		HAZ	0	4351	0			0	0	4351	0	0	0					
10/25/11		2	NON REGULATED MATERIAL	PTSI RESIDUE	PTSI	NON	0	0	0			0	0	0	0	0	0					
10/25/11		1	NON REGULATED MATERIAL	PTSI RESIDUE	Bag filters	NON	0	0	0			0	0	0	0	0	0					
10/27/11		3	HAZARDOUS WASTE SOLID NOS	TOLUENE SPENT CARBON	WASTE WATER TREATMENT	HAZ	0	0	0			11702	0	0	0	0	0					
10/27/11		2	HAZARDOUS WASTE SOLID NOS	CHLOROBENZENE SPENT CARB	ACID TREATMENT	HAZ	0	0	0			4565	0	0	0	0	0					
10/28/11		3	HAZARDOUS WASTE SOLID NOS	CHLOROBENZENE SPENT CARB	ACID TREATMENT	HAZ	0	0	0			750	0	0	0	0	0					
11/15/11		3	HAZARDOUS WASTE SOLID NOS	SPENT CARBON	WASTE WATER TREATMENT	HAZ	0	0	0			13170	0	0	0	0	0					
11/23/11		12	HAZARDOUS FLAMMABLE LIQUID	ACETONE, TOLUENE	R-12 Dbad Botts	HAZ	0	0	0			0	0	0	0	0	0					
11/23/11		35	HAZARDOUS FLAMMABLE LIQUID	ACETONE, TOLUENE	R-12 Dbad Botts	HAZ	0	0	0			0	0	0	0	0	0					
11/23/11		3	HAZARDOUS FLAMMABLE LIQUID	ACETONE, TOLUENE	R-12 Dbad Botts	HAZ	0	0	0			0	0	0	0	0	0					
11/23/11		1	HAZARDOUS WASTE LIQUID	AQUEOUS TANK SLUDGE	Process cleanout	HAZ	0	0	0			0	0	0	0	0	0					
11/23/11		3	WASTE FLAMMABLE LIQUIDS	CAUSTIC & WATER FLUSH	Process cleanout	HAZ	0	0	0			0	0	0	0	0	0					
11/23/11		6	NON REGULATED MATERIAL	PTSI RESIDUE	PTSI	NON	0	0	0			0	0	0	0	0	0					
11/23/11		1	NON-REGULATED WASTE NON-HAZ SOLIDS	NON HAZ FILTERS	PTSI	NON	0	0	0			0	0	0	0	0	0					
12/12/11		13	HAZARDOUS WASTE SOLID NOS			HAZ	0	0	0			0	0	0	0	0	0					
12/12/11		3	WASTE FLAMMABLE LIQUIDS	BzCarb Solids	BzCarb	HAZ	0	0	0			0	0	0	0	0	0					
12/12/11		1	NON-REGULATED WASTE NON-HAZ SOLIDS	NON HAZ FILTERS	2-CMBSI	NON	0	0	0			0	0	0	0	0	0					
11/10/11		5	HAZARDOUS WASTE LIQUID	AQUEOUS TANK SLUDGE		HAZ	0	0	0			0	0	0	0	0	0					
12/19/11		2	HAZARDOUS WASTE SOLID NOS	SPENT CARBON	WASTE WATER TREATMENT	HAZ	0	0	0			9000	0	0	0	0	0					
12/19/11		2	HAZARDOUS WASTE SOLID NOS	SPENT CARBON	WASTE WATER TREATMENT	HAZ	0	0	0			300	0	0	0	0	0					
12/22/11		3	NON-REGULATED WASTE NON-HAZ SOLIDS	NON HAZ FILTERS	PTSI	NON	0	0	0			0	0	0	0	0	0					
12/22/11		3	WASTE FLAMMMABLE LIQUIDS, CORROSIVE	TOLUENE, SODIUM HYDROXIDE	4-TFMPI	HAZ	0	989	0			0	0	0	0	0	0					
12/22/11		4	WASTE N,N-DIMETHYLFORMAMIDE		AMIDE CHLORIDE	HAZ	0	0	0			0	0	0	1677	0	0					
12/22/11		10	WASTE FLAMMABLE LIQUIDS NOS	ACETONE TOLUENE	R-12 Dbad Botts	HAZ	0	0	0			0	0	0	0	0	0					
12/22/11		10	WASTE FLAMMABLE LIQUIDS NOS	ACETONE TOLUENE	R-12 Dbad Botts	HAZ	0	0	0			0	0	0	0	0	0					
12/22/11		4	WASTE FLAMMABLE LIQUIDS NOS	ACETONE TOLUENE	R-12 Dbad Botts	HAZ	0	0	0			0	0	0	0	0	0					
12/22/11		3	WASTE FLAMMABLE LIQUIDS NOS	ACETONE TOLUENE	Re-directed from Norlite	HAZ	0	0	0			0	0	0	0	0	0					
							191597.9	82451.22	4898.5	0	0	130441	637	124010	5396	110	606961.0072					
							186155.9	80404.22	0													
							476	989	0													
							4552	979	4898.5													
							95.798949	41.22561	2.44925	0	0	65.2205	0.3185	62.005	2.698	0.055	303.4805036					

DO NOT NEED TO SEND NON REGULATED MANIFEST OUT

LBS / SP

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Number of Haz Shipments (num

2011 HAZARDOUS WASTE REPORT WORKSHEET

SHIP DATE	Invoice DATE	QTY	WASTE DESCRIPTION	VANDEMARK PRODU	Type of waste comment PAA	HAZ/ NON	Hazardous Waste Reduction Plan				
Form R Reportable Chemicals							Spent Carbon	Waste solvents	Off spec product	Lab Waste	Aq splits

Monthly summary

	Tons Waste	Estimated Yearly total
January	70	844
February	81	906
March	16	668
April	9	528
May	71	593
June	32	559
July	133	707
August		
September		
October		
November		
December		
Total	412	

03/24/11	1	WASTE CORROSIVE LIQUID		HAZ		CLEAN HARBOURS	008344566.JJK	INCINERATE	4			4
03/24/11	1	WASTE FLAMMABLE LIQUID		HAZ		CLEAN HARBOURS	008344566.JJK	INCINERATE	27			27
03/24/11	1	WASTE AMINE, LIQUID CORROSIVE		HAZ		CLEAN HARBOURS	008344566.JJK	INCINERATE	40			40
03/24/11	2	WASTE FLMMABLE LIQUIDS	ACETONE, SODIUM HYDROXIDE	HAZ		CLEAN HARBOURS	008344584.JJK	INCINERATE	405			405
03/24/11	1	WASTE TOXIC SOLIDS	TRIPHOSGENE	HAZ		CLEAN HARBOURS	008344584.JJK	INCINERATE	78			78
03/24/11	17	HAZARDOUS WASTE SOLID NOS		HAZ		CLEAN HARBOURS	008344584.JJK	INCINERATE	5899			5,899
03/24/11	2	WASTE TOXIC SOLIDS	AMIDE CHLORIDE	HAZ		CLEAN HARBOURS	008344584.JJK	INCINERATE	800			800
03/24/11	1	HAZARDOUS WASTE SOLID NOS		HAZ		CLEAN HARBOURS	008344584.JJK	INCINERATE	496			496
01/20/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	HAZ		NORLITE	J112210026-101	004399842.JJK	INCINERATE	35,140		35,140
01/27/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	HAZ		NORLITE	J1122100026-102	004399841.JJK	INCINERATE	36,000	3,905	36,000
02/03/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	HAZ		NORLITE	J1122100026-102	004398562.JJK	INCINERATE	35,800	3,828	35,800
02/10/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	HAZ		NORLITE	J1122100026-103	004399840.JJK	INCINERATE	37,660	3,872	37,660
02/17/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	HAZ		NORLITE	J1122100026-103	004398561.JJK	INCINERATE	37,840	3,956	37,660
02/24/11	1	WASTE FLAMMABLE LIQUID	HYDRAZINE HYDRATE, TOLUENE	HAZ		NORLITE	J1122100027-102	004399839.JJK	INCINERATE	41980		41,980
03/24/11	23	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	HAZ		NORLITE	J0308110137-101	008344565.JJK	INCINERATE	9499		9,499
03/24/11	19	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	HAZ		NORLITE	J0308110137-101	008344565.JJK	INCINERATE	7847		7,847
03/24/11	4	WASTE FLAMMABLE LIQUID	ACETONE, TOLUENE	HAZ		NORLITE	J0308110137-101	008344565.JJK	INCINERATE	6596		6,596
03/24/11	1	CORROSIVE LIQUID,ACIDIC		HAZ		CLEAN HARBOURS	008344566.JJK	NONE	4			4
03/24/11	1	TOXIC SOLIDS, ORGANIC		HAZ		CLEAN HARBOURS	008344566.JJK	NONE	15			15
03/24/11	1	TOXIC LIQUIDS ORGANIC		HAZ		CLEAN HARBOURS	008344566.JJK	NONE	20			20
03/24/11	1	WASTE POISON INHALATION	METHYL CF	HAZ		CLEAN HARBOURS	008344584.JJK	NONE	156			156
									256308			
01/21/11	2	HAZARDOUS WASTE SOLID NOS		HAZ		SIEMENS	VAN-SOLVNY-CP	002264426.JJK	RECYCLE	4,000		4,000
01/21/11	2	HAZARDOUS WASTE SOLID NOS		HAZ		SIEMENS	VAN-CHEMNYY-WV	002264426.JJK	RECYCLE	9,000		9,000
01/21/11	1	HAZARDOUS WASTE SOLID NOS		HAZ		SIEMENS	VAN-TERTNY-CP	002264426.JJK	RECYCLE	1,800		1,800
02/17/11	1	HAZ WASTE SOLID	SPENT CARBON - ISOPROPANOL	HAZ		SIEMENS	VAN-LCKPNY-WV	002264427.JJK	RECYCLE	4,500		4,500
02/17/11	1	HAZ WASTE SOLID	SPENT CARBON - CHLOROBENZENE	HAZ		SIEMENS	VAN-CHEMNYY-WV	002264427.JJK	RECYCLE	4500		4,500
									23800			
03/24/11	16	MATERIAL	PTSI RESIDUE	NON		BRIDGEPOF	J0308110137-101	003684212.JJK			9,588	9,588
01/18/11	5	NON REGULATED PHCF	PHCF STILL BOTTOMS	NON		CLEAN HAR	1378189	003684205.JJK			2,140	2,140
01/25/11	20	NON REGULATED MATERIAL	FILTER BAGS W/ 2CMBSA	NON		COVANTA	7923	476379			2,600	2,600
03/11/11	15	MATERIAL	2-CMBSA FILTER BAGS	NON		COVANTA		NYD982792814			1,950	1,950
03/24/11	2	MATERIAL										

2012 HAZARDOUS WASTE REPORT WORKSHEET

141,453																	COSTS							
Ship Date	Invoice Date	QTY	Type of Container	Waste Description	VanDeMuth Product	HAZ/Non	Waste Identity	TSDF ID	Approval Code	State Manifest Number	Disposal Method	HAZ Waste (lbs)	HAZ Waste (gallons)	NON HAZ Waste (lbs)	Shipped Weight (lbs)	Rec'd Weight (lbs)	Rec'd Weight (gallons)	Disposal Estimate	Actual Billed Cost	Transportation Cost	Sales Tax	Waste Qty Billed	Diff between Estimated and Actual	
15/12/9/12		1		HAZARDOUS FLAMMABLE LIQUID	Hydrazine hydrate, toluene	Benzyl carbazate	HAZ	BZC	Norlite	P04080800FGMS	008059051JJK	Incineration	35460	3,848		35,460			\$8,658.00	\$10,288.85	\$1,140.00	\$739.34	3,848	\$1,630.85
		1		Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate	HAZ	BZC	Norlite	P04080800FGMS	008059049JJK	Incineration	35220	3,708		35,220	34,636	3,708	\$8,343.00	\$9,793.52	\$1,140.00	\$702.65	3,708	\$1,450.52
01/10/12		29		Nonregulated material (filter bags)	Filter bags with 2-CMBSA	2-CMBSI	NON		Covanta	08-107	43877	Incineration			3,770		3,770	\$5,655.00	\$6,593.40	\$450.00	\$488.40		\$938.40	
01/11/12		2		Hazardous waste solid	Spent carbon with MCB	D area	HAZ		Siemens	VDM-CHEMNY-WW	002264259JJK	Recycle	9000				8,109						\$0.00	
		1		Hazardous waste solid	Spent carbon with heptanes	D area	HAZ		Siemens	VDM-TETRYN-AF	002264259JJK	Recycle	4500				2,544						\$0.00	
01/12/12		1		Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate	HAZ	BZC	Norlite	P040808001FGMS	008059050JJK	Incineration	36040	3,846		36,040	35,604	3,846	\$8,109.00	\$10,158.21	\$1,140.00	\$729.66	3,604	\$2,049.21
01/26/12		1		Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate	HAZ	BZC	Norlite	P040808001FGMS	008059048JJK	Incineration	35480			35,480	35,480		\$8,291.25	\$10,009.98	\$1,140.00	\$718.68	3,685	\$1,718.73
02/02/12		1		Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate	HAZ	BZC	Norlite	P040808001FGMS	008059046JJK	Incineration	37960	3,991		37,960	37,279	3,991	\$8,979.75	\$8,381.10	\$1,140.00	\$765.89	3,991	\$598.65
02/03/12		12		Nonregulated material (filter bags)	Filter bags with 2-CMBSA	2-CMBSI	NON		Covanta	08-107	44100	Incineration			1,560		1,560	\$2,340.00	\$2,340.00	\$450.00	\$223.20	12	\$0.00	
02/02/12		4		Hazardous waste solid	Spent Carbon WW w/MCB	D-Area water treatment	HAZ		Siemens	VDM-CHEMNY-WW	002264260JJK	Recycle	16000				14,181							
02/02/12		1		Hazardous waste solid	Spent carbon with MCB	D-Area Acid treatment	HAZ		Siemens	VDM-SOLVNY-CP	002264260JJK	Recycle	3000				2,795							
02/02/12		1		Hazardous waste solid	Spent carbon with heptanes	D-Area vapor treatment	HAZ		Siemens	VDM-BUSPNY-AF	002264260JJK	Recycle	300				255		\$9,263.75				\$9,263.75	
02/08/12		1		Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate	HAZ	BZC	Norlite	P040808001FGMS	008059047JJK	Incineration	36820	3,929		36,820	37,028	3,929	\$8,840.25	\$8,565.22	\$1,140.00	\$780.62	3,929	\$275.03
02/07/12		15		Hazardous waste solid			HAZ		Clean Harbors	1378178-1	008343716JJK	Incineration	4677			4,677		\$3,450.00	2,625				\$825.00	
02/07/12		27		Waste flammable liquid	4-TFMPI residue, toluene	4-TFMPI	HAZ		Clean Harbors	CH28671WTS	008343716JJK	Incineration	17149			17,149		\$36,870.35						
02/07/12		1		Waste flammable liquid	4-TFMPI residue, toluene	4-TFMPI	HAZ		Clean Harbors	CH28671WTS	008343716JJK	Incineration	420			420		\$903.00	38,053				\$279.50	
02/07/12		1		Waste corrosive liquid	Amide chloride, lauroyl chloride	chloride	HAZ	chloride	Clean Harbors	CH26482WTS	008343716JJK	Incineration	140			140	140	\$475.00	1,250	\$2,420.00	\$193.60	44	\$775.00	
02/16/12		1		Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate	HAZ	BZC	Norlite	P040808001FGMS	008059045JJK	Incineration	43540	4,482		43,540	41,865	4,482	\$10,084.50	\$10,129.32	\$1,140.00	\$901.55	4,482	\$44.82
02/21/12		1		Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate	HAZ	BZC	Norlite	P040808001FGMS	008059043JJK	Incineration	43520	4,768		43,520	44,139	4,768	\$10,728.00	\$10,106.36	\$1,140.00	\$899.71	4,768	\$621.64
02/23/12		1		Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate	HAZ	BZC	Norlite	P040808001FGMS	008059042JJK	Incineration	41740	4,644		41,740	42,991	4,644	\$10,449.00	\$9,938.16	\$1,140.00	\$886.25	4,644	\$510.84
02/28/12		1		Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate	HAZ	BZC	Norlite	P040808001FGMS	008058188JJK	Incineration	31880	4,046		31,880	31,921	4,046	\$9,103.50	\$6,867.68	\$1,140.00	\$640.61	4,046	\$2,235.82
03/01/12		3		Hazardous waste solid	Spent Carbon WW w/MCB	D-Area water treatment	HAZ		Siemens	VDM-CHEMNY-WW	002264261JJK	Recycle	13500			13,500	13,500						\$9,066.27	
03/01/12		1		Hazardous waste solid	Spent carbon with MCB	D-Area	HAZ		Siemens	VDM-SOLVNY-AF	002264261JJK	Recycle	350			350			\$9,066.27				\$0.00	
03/15/12		6		Non hazardous solid	Drilling mud		NON		Bridgeport United	0927DN4	008344002JJK	Incineration		3,252		3,252		\$1,380.00				6		
		1		Waste flammable liquid	Toluene, NaOH	Methanol/ Caustic from PT-14	HAZ	Cleanout	Bridgeport United	1598FD2HFB	008343718JJK	Incineration	2500			2,500	2,500	\$230.00	\$655.00			1	\$140.00	
		2		Oil	Used oil		NON	Waste oil	Bridgeport United	0926DLHN1	008343718JJK	Incineration		888		888		\$150.00	\$122.00	\$294.00	\$23.52	2		
		8		Residue	PTSI	PTSI	NON	PTSI	Bridgeport United	0928DN4	008343718JJK	Incineration		4,903		4,903	4,903	\$1,840.00	\$1,528.00			8		
		1		Oil	Used oil		NON	Waste oil	Bridgeport United	0926DLHN1	008343718JJK	Incineration		550		550	550	\$75.00	\$130.00			1		
		20		Waste flammable liquid	Acetone, Toluene	16 drums rejected, Toluene/MeOH	HAZ	Toluene	Norlite	ST0045-02	008343719JJK	16 drums rejecte	10411			10,411	2,083	\$1,500.00					\$1,500.00	
03/15/12		22		Waste flammable liquid	Acetone, Toluene	Toluene/MeOH	HAZ	Process Cleanout	Norlite	ST0045-02	008343719JJK	Incineration	8074			8,074	8,074	\$1,650.00					\$1,650.00	
		1		Waste flammable liquid	Acetone, Toluene	Toluene/MeOH	HAZ	Process Cleanout	Norlite	ST0045-02	008343719JJK	Incineration	1960			1,960	1,960	\$395.00					\$395.00	
		6		Hazardous waste liquid	Aqueous tank sludge	MH-1 silt water	HAZ		Norlite	ST-0151-03	008343719JJK	Incineration	3000			3,000	3,000	\$1,380.00					\$1,380.00	
		9		Waste flammable liquid	DMF, Toluene	Neutralized DMF Residue	HAZ	Waste DMF	Norlite	ST-0233-02	008343719JJK	Incineration	4319			4,319	4,319	\$675.00					\$675.00	
03/29/12		4		Hazardous waste solid	Spent Carbon WW w/MCB	D-Area water treatment	HAZ		Siemens	VDM-CHEMNY-WW	002264262JJK	Recycle	16000										\$0.00	
03/29/12		1		Hazardous waste solid	Spent carbon with heptane	D-Area	HAZ	PTSI	Siemens	VDM-SOLVNY-AF	002264262JJK	Recycle	4000										\$0.00	
03/30/12	#####	15		Waste flammable liquid	Acetone, Toluene		HAZ		Tradebe Treat&Recycl	P032812019PT153ST	009239320JJK	Incineration	7808			7,808	7,808	\$1,11						

2012 HAZARDOUS WASTE REPORT WORKSHEET

141.453																	COSTS							
Ship Date	Invoice Date	QTY	Type of Container	Waste Description	VanDeMark Product	HAZ/ NON	Waste Identity	TSDF (6)	Approval Code	State Manifest	Disposal Method	HAZ Waste (lbs)	HAZ Waste (gallons)	NON HAZ Waste (lbs)	Shipped Weight (lbs)	Rec'd Weight (lbs)	Rec'd Weight (gallons)	Disposal Estimate	Actual Billed Cost	Transportation Cost	Sales Tax	Waste Qty Billed	Diff between Estimated	
05/02/12	05/02/12	1		Waste calcium hydride	Lab pack	HAZ		Clean Harbors		008342960JJK	Incineration	11			11	11		\$154.50	\$4,216.75	\$550.00	\$125.08		\$1,389.76	
		1		Waste corrosive liquid, acidic, inorganic	Lab pack	HAZ		Clean Harbors		008342960JJK	Incineration	17			17	17		\$89.00						
		2		Waste allyl alcohol, poison inhalation hazard	Lab pack	HAZ		Clean Harbors		008342960JJK	Incineration	15			15	15		\$178.00						
		1		Waste toxic by inhalation liquid, flammable	Lab pack	HAZ	acryloyl chloride	Clean Harbors		008342960JJK	Incineration	5			5	5		\$89.00						
		1		Waste toxic by inhalation liquid, corrosive	Lab pack	HAZ	3-chloropropionyl chloride	Clean Harbors		008342960JJK	Incineration	5			5	5		\$89.00						
		1		Waste amine, liquid, corrosive, flammable	Lab pack	HAZ		Clean Harbors		008342960JJK	Incineration	22			22	22		\$129.00						
		1		Waste flammable liquid	Lab pack	HAZ		Clean Harbors		008342960JJK	Incineration	30			30	30		\$129.00						
		1		Waste toxic solid, organic	Lab pack	HAZ		Clean Harbors		008342960JJK	Incineration	37			37	37		\$129.00						
		1		Waste ammonia solution	Lab pack	HAZ		Clean Harbors		008342960JJK	Incineration	10			10	10		\$89.00						
		1		Waste methyl chloroformate, poison inhalation hazard	Lab pack	HAZ		Clean Harbors		008342960JJK	Incineration	5			5	5		\$89.00						
		1		Waste 1-hydroxybenzotriazole, anhydrous, wetted	Lab pack	HAZ		Clean Harbors		008342960JJK	Incineration	13			13	13		\$154.50						
		1		Toxic solid, corrosive, organic	Lab pack	NON		Clean Harbors		008342960JJK	Incineration		8		8	8		\$89.00						
		1		Corrosive solid, basic, organic	Lab pack	NON		Clean Harbors		008342960JJK	Incineration		7		7	7		\$89.00						
		1		Toxic liquid, corrosive, organic	Lab pack	NON		Clean Harbors		008342960JJK	Incineration		6		6	6		\$89.00						
		1		Corrosive solid, toxic	Lab pack	NON		Clean Harbors		008342960JJK	Incineration		7		7	7		\$89.00						
1		Non-regulated material	Lab pack	NON		Clean Harbors		008342960JJK	Incineration		11		11	11		\$89.00								
05/25/12		2		Hazardous waste solid	Spent Carbon WW w/MCB	D-Area water treatment	HAZ	Siemens	VDM-CHEMNY-WW	002264439JJK	Recycle	8000			9,094	9,094							\$0.00	
		2		Hazardous waste solid	Spent Carbon WW w/Toluene	D-Area water treatment	HAZ	Siemens	VDM-TOLUNY-CP	002264439JJK	Recycle	8000			3,683	3,683								
		2		Hazardous waste solid	Spent Carbon WW w/MCB	PTSI vent sorb drum	HAZ	Siemens	VAN-VDMNY-AF	002264439JJK	Recycle	700			545	545								
06/05/12		22		Nonregulated material (filter bags)	Filter bags with 2-CMBSA	ESPI filters/supersacks	NON		Covanta	08-107	45418	Incineration			2,700		2,700		\$4,290.00	\$4,290.00	\$450.00	\$379.20	22	\$0.00
06/19/12		1	TT	Hazardous waste liquid	TBBA/TBBHPF Aqueous Waste	Aqueous waste from TBBA Process	HAZ	Aq Waste	Clean Harbors	CH33150WTSB	009813130JJK	Incineration	33860			33,860	33,860		\$6,089.93	\$7,019.09	\$1,425.00	\$134.74	4188 gal	\$929.16
06/21/12		4	TP	Nonregulated material (Xanthan gum/water)	Xanthan gum/water	Xanthan gum/water	NON		EQ Detroit	E1233181WTSDET	008342949JJK			7,060	7,060	7,060		\$1,680.00	\$1,180.00	\$500.00	\$40.00		\$0.00	
Y12		1	TT	Hazardous waste liquid	TBBA/TBBHPF Aqueous Waste	Aqueous waste from TBBA Process	HAZ	Aq Waste	Clean Harbors	CH33150WTSB	009813129JJK	Incineration	36460			36,460	36,460		\$6,557.55	\$5,434.79	\$1,425.00	\$134.74	4499 gal	\$1,122.76
07/02/12		2		Hazardous waste solid	Spent Carbon w/MCB	D-Area water treatment	HAZ		Siemens	VDM-CHEMNY-WW	002264440JJK	Recycle	8000			7,546	7,546							\$0.00
		1		Hazardous waste solid	Spent Carbon w/MCB	HCI	HAZ		Siemens	VDM-SOLVNY-CP	002264440JJK	Recycle	3000			3,109	3,109							
		1		Hazardous waste solid	Spent Carbon w/MCB	PTSI vent sorb drum	HAZ		Siemens	VAN-VDMNY-AF	002264440JJK	Recycle	700			318	318							
07/03/12		1	TT	Hazardous waste liquid	TBBA/TBBHPF Aqueous Waste	Aqueous waste from TBBA Process	HAZ	Aq Waste	Clean Harbors	CH33150WTSB	009813128JJK	Incineration	35060			35,060	35,060		\$6,305.76	\$6,060.73	\$1,425.00	\$134.74	4203 gal	\$245.03
07/10/12		1	TT	Hazardous waste liquid	TBBA/TBBHPF Aqueous Waste	Aqueous waste from TBBA Process	HAZ	Aq Waste	Clean Harbors	CH33150WTSB	009813127JJK	Incineration	40600			40,600	40,600		\$7,302.16	\$6,278.25	\$1,425.00	\$134.74	4882 gal	\$1,023.91
07/12/12		1	TT	Hazardous waste liquid	TBBA/TBBHPF Aqueous Waste	Aqueous waste from TBBA Process	HAZ	Aq Waste	Clean Harbors	CH33150WTSB	009813126JJK	Incineration	33920			33,920	33,920		\$6,100.72	\$4,317.73	\$1,425.00	\$134.74	3821 gal	\$1,782.99
07/19/12	#####	1	TT	Hazardous waste liquid	TBBA/TBBHPF Aqueous Waste	Aqueous waste from TBBA Process	HAZ	Aq Waste	Clean Harbors	CH33150WTSB	009813125JJK	Incineration	36020			36,020	36,020	5,327	\$6,478.42	\$6,019.51	\$1,425.00	\$144.60	5327 gal	\$966.09
07/19/12	#####	42	CF	Nonregulated material (filter bags)	Filter bags with 2-CMBSA	Empty MTSA supersacks	NON		Covanta	08-107	no tracking #	4620		2,700	4,620	4,620		\$8,190.00	\$8,190.00	\$450.00	\$696.30	42 boxes	\$0.00	
07/24/12	#####	1	TT	Hazardous waste liquid	TBBA/TBBHPF Aqueous Waste	Aqueous waste from TBBA Process	HAZ	Aq Waste	Clean Harbors	CH33150WTSB	009813124JJK	Incineration	41800			41,800	41,800	4,764	\$7,517.99	\$5,383.32	\$1,425.00	\$141.20	4764 gal	\$709.67
07/26/12	#####	8	CF	Nonregulated material (filter bags)	Filter bags with 2-CMBSA	Empty MTSA supersacks	NON		Covanta	08-107	no tracking #	880			880	880		\$1,560.00	\$1,560.00	\$450.00	\$160.80	8 boxes	\$0.00	
07/26/12	#####	2	TP	Waste flammable liquid, corrosive	toluene, NaOH (scrubber water)	used methanol, NaOH	HAZ	Process Cleanout	Bridgeport United	1598FD2HFB	008332444JJK	Incineration	3893			3,893	3,893		\$550.00	\$655.00				
		1	DF	Waste flammable liquid, corrosive	Toluene, HCl (HCl solvent rag layer)			Waste Toluene	Bridgeport United	2258ESTD2L	008332444JJK	Incineration	430			430	430		\$275.00	\$261.00				
		1	DF	Non regulated material	PTSI residue	PTSI residue	NON		Bridgeport United	0928DN4	008332444JJK	Incineration	618			618	618		\$230.00					
		10	DM	Non regulated material	PTSI residue	PTSI residue	NON		Bridgeport United	0928DN4	008332444JJK	Incineration	5927			5,927	5,927		\$2,300.00	\$191.00				
		5	DM	Non regulated waste	Non haz solids	filters	NON		Bridgeport United	0927DN4	008332444JJK	Incineration	770			770	770		\$1,150.00	\$161.00	\$350.00	\$41.60	25 drums	\$2,887.00
		3	TP	Waste flammable liquid	Acetone, Toluene	30% Heptane/ 70% Aqueous	HAZ		Norlita	ST0045-02	008332445JJK	Incineration	5607			5,607	5,607		\$1,485.00					
07/26/12	#####	16	DF	Waste flammable liquid	Acetone, Toluene	mixed solvents, cleanout	HAZ	solvents	Norlita	ST0045-02	008332445JJK	Incineration	5323			5,323	5,323		\$1,200.00					
		7	DM	Waste flammable liquid	Acetone, Toluene	Oil/MCB, ?	HAZ		Norlita	ST0045-02	008332445JJK	Incineration	2436			2,436	2,436		\$525.00	\$1,586.00		\$29.12	26 drums	\$1,624.00
07/30/12	#####	1	TT	Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate aqueous, Aqueous waste from TBBA Process	HAZ	BZC-hydrazine	Norlita	P040808001FGMS	008058187JJK	Incineration	39560	4,152		39,560	38,783	4,152	\$9,342.00	\$6,228.00	\$1,140.00	\$591.74	4152 gal	\$1,382.26
08/02/12	#####	1	TT	Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate aqueous	HAZ	BZC-hydrazine	Norlita	P040808001FGMS	008058186JJK	Incineration	35340			35,340	35,362	4,077	\$9,173.25	\$6,115.50	\$1,140.00	\$593.04	4077 gal	\$1,324.71
08/03/12		4		Hazardous waste solid	Spent Carbon w/MCB	D-Area water treatment	HAZ		Siemens	VDM-CHEMNY-WW	002264441JJK	Recycle	16000				13,560							\$0.00
08/08/12	#####	20	DM	Hazardous waste solid		Plant samples, process filters, lab solid waste	HAZ		Clean Harbors	1378178-1	009660609JJK	Incineration	5459			5,459	5,459		\$4,600.00	\$3,500.00				
		2	DF	Waste corrosive liquid	PNBC-high pH	PNBC Still Bottoms	HAZ		Clean Harbors	1520812	009660609JJK	Incineration	712			712	712		\$460.00	\$941.25				
		10	DF	Waste toxic solid, corrosive, organic	Amide Chloride	Vilsmeier	HAZ		Clean Harbors	1393044	009660609JJK	Incineration	2250			2,250	2,250		\$5,950.00	\$4,800.00	\$1,760.00	\$140.80	32 drums	\$8.75
08/09/12		1	TT	Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate aqueous	HAZ	BZC-hydrazine	Norlita	P040808001FGMS	008058185JJK	Incineration	35340			35,340	35,419	3,826	\$8,686.76					
08/14/12	#####	1	TT	Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate aqueous	HAZ	BZC-hydrazine	Norlita	P040808001FGMS	008058184JJK	Incineration	41080			41,080	41,181	4,572	\$10,287.00	\$9,509.76	\$1,140.00	\$856.18	4572 gal	\$362.76
08/17/12	#####	1	TT	Waste flammable liquid	Hydrazine hydrate, toluene	Benzyl carbazate aqueous	HAZ	BZC-hydrazine	Norlita	P040808001FGMS	008058183JJK	Incineration	22740			22,740	22,482	2,734	\$6,151.50	\$4,265.04	\$1,140.00	\$432.40	2734 gal	\$746.46
08/20/12		1	TT	Waste flammable liquid	Methanol, Toluene (mixed aqueous/organic waste)	4-TFMPi Toluene	HAZ	Waste Toluene	Norlita	ST-0285-03	008055842JJK	Incineration	35860			35,860	35,302	4,832	\$3,140.80					

VDM00776

ALS= LBS / SP GRAVITY / 8.34	
Waste Iden % Solvent	
BZC	100% Toluene 1
BZC-hydrazine	2% Toluene 0.02
Carbaester	100% MeOH 1
-TFMPI	100% Toluene 1
-CMBSI/ ESPI/ MI	100% Xylene 1
PTSI	100% MCB 1
CHDI	50% MCB 0.5
PhCF	100% Toluene 1
DBAD	50% MCB 0.5
HEGCL	50% Toluene 0.5
Waste DMF	100% DMF 1
Waste oil	5% MCB 0.05
DI still bottoms	50% Xylene 0.5
DI Xylene	100% Xylene 1
Mixed solvents	25% MCB, 25% Toluene, 25% MeOH, 25% Xylene 0.25
Mixed solvents 2	50% Xylene, 50% MeOH 0.5
Process Cleanup	100% MeOH 1
Waste Toluene	100% Toluene 1
ICL	5% DMF 0.05
FeCl waste	100% MeCl 1
aq Waste	5% MeCl 0.05

VDM00777

VDM00777

VDM00779

GALS= LBS / SP GRAVITY / 8.34		North
Waste Idem % Solvent		Bridgeport
BZC	100% Toluene	1
BZC-hydrazine	2% Toluene	0.02
Carbaester	100% MeOH	1
4-TFMPi	100% Toluene	1
2-CMBSI/ ESPI/ M1	100% Xylene	1
PTSI	100% MCB	1
CHDI	50% MCB	0.5
PhCF	100% Toluene	1
DBAD	50% MCB	0.5
HEGCL	50% Toluene	0.5
Waste DMF	100% DMF	1
Waste oil	5% MCB	0.05
ADI still bottoms	50% Xylene	0.5
ADI Xylene	100% Xylene	1
Mixed solvents	25% MCB, 25% Toluene, 25% MeOH, 25% Xylene	0.25
Mixed solvents 2	50% Xylene, 50% MeOH	0.5
Process Cleanout	100% MeOH	1
Waste Toluene	100% Toluene	1
ACL	5% DMF	0.05
MeCl waste	100% MeCl	1
Waste	5% MeCl	0.05

2012 HAZARDOUS WASTE REPORT WORKSHEET

Ship Date	Invoice Date	QTY	Type of Cont.	Waste Description	VanDeMark Product	HAZ/ NON	Comments?	Form R Reportable Chemicals		Hazardous Waste Reduction Plan				
									Spent Carbon		Waste solvents	Off spec product	Lab Waste	Aq splits

DO NOT NEED TO SEND NON REGULATED MANIFEST OUT
L = LANDFILL
B = INCINERATION
T = TREATED
R = RECYCLE

	Waste Description	Profile ID / Approval Code	Unit of measure	Price per unit	Total with up-charges	notes
1	BzCarb Aqueous waste for incineration	P04080800FGMS	gallon	\$ 1.50	\$2.25	Chlorides
2	2-CMBSA empty super sacks		ea (per cyb)	\$ 195.00	\$195.00	
3	Generon aqueous waste		gallon	\$ 1.13	1425*price per unit	
4						
5						
6						
7						
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29						

	Tons Waste	Estimated Yearly total
January	#REF!	#REF!
February	#REF!	#REF!
March	#REF!	#REF!
April	#REF!	#REF!
May	#REF!	#REF!
June	#REF!	#REF!
July	#REF!	#REF!
August		
September		
October		
November		
December		
Total	#REF!	

[illegible]

September 2012 Product Inventory

Last updated

10/1/2012

VDM00783

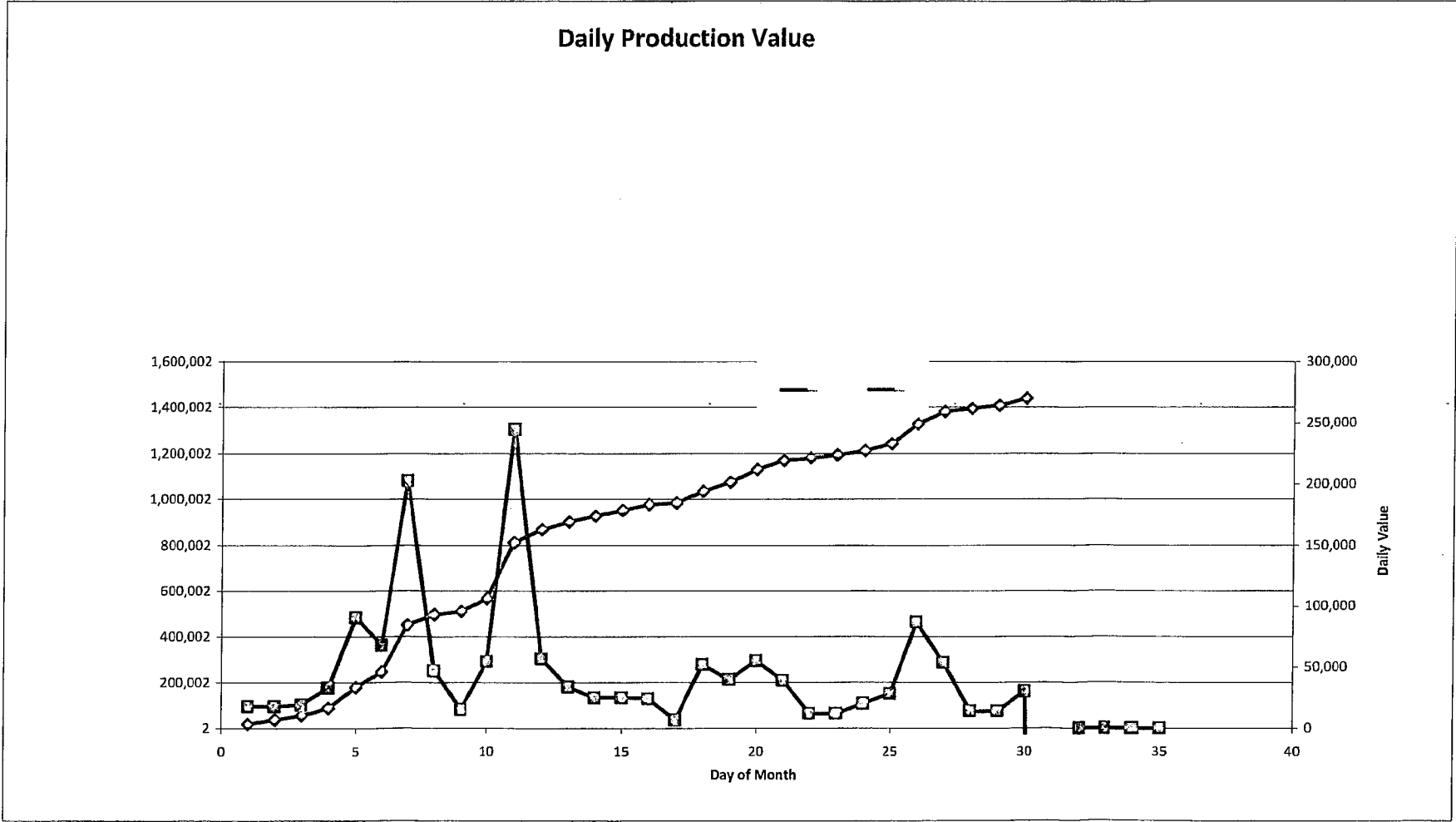
Note: Final numbers to come from accounting month end close.															
		Inventory				Inventory				Variances		Value of production			
Product	Prod code	Target rate	Prod/ Transfers	BOM	Shipment / Usage	EOM	Physical Check	Unit	Rework/Off-spec	Comments	\$/unit	Total \$	% of total	Change in Value	Value at month end
Phosgene SHIPMENTS:															
Phosgene tons	100-2000	1600	565,924.0	90,182	441006.0	215100.0	215,100	lbs.	0.0	Cycle counted;	0.751	\$209,523	14.54%	\$ 93,838	161,583
Phosgene 95 lbs cylinders	100-0095/96/97		665.0	950	190.0	1425.0	1425	lbs.	0.0	Cycle counted; 15 x 95 lbs	0.751	\$500	0.03%	\$ 357	1,070
Phosgene 7.5 lb cylinders	100-0007.5		25.0	45	25.0	45.0	37.5	lbs.	(7.5)	Cycle counted; 5 x 7.5 lbs.	0.751	\$19	0.00%	\$ -	34
PTSI @ Lockport	100-600	125	0.0	333,378	99405.0	233973.0		lbs.	(233973.0)		2.975	\$0	0.00%	\$ (295,750)	696,116
PTSI PURCHASED	200-600	0	0.0	0	0.0	0.0		lbs.	0.0	No movement	3.610	\$0	0.00%	\$ -	0
PTSI Europe warehouse	102-601/602	125	17,325.0	39,745	12825.0	44245.0		Kgs	(4245.0)		6.559	\$113,636	7.88%	\$ 29,516	290,207
DDI	100-721/722		60333	0.00	53040	7893.0	7893	lbs	0.0	Cycle counted: 2 x 2040 lbs & 1 x 1773 lbs	2.550	\$155,349	10.78%	\$ 20,123	20,123
CHDI	100-122		0	0.00	0	0.0		lbs	0.0	No movement; Precuts (1059011): 3 drums = 1071 lbs (K-40647) & 1 drum = 88 lbs (K-40644) Not inventoried.	72.932	\$0	0.00%	\$ -	0
ADI	100-731		0	0.00	0	0.0		lbs	0.0	No movement; 1 x 450 lbs & 1 x 127 lbs of pre-cut in E-1. 6 drums of ADI still bottoms & 2 drums of cleanout ADI xylene.	9.810	\$0	0.00%	\$ -	0
4-TFMPi	100-902		0.0	0.00		0.0		Kgs	0.0	No movement	6.000	\$0	0.00%	\$ -	0
Amide Chloride	100-400	1 = 71 2= 53	0.0	0.00	0.0	0.0		Kg	0.0	No movement;	8.032	\$0	0.00%	\$ -	0
Vilsmier 95%	100-401	1 = 55 2 = 41	13,860.0	24090	8100.0	29850.0	29850	Kg	0.0	Cycle counted; 995 x 30 kg.	8.032	\$111,324	7.72%	\$ 46,264	239,755
Off spec 95% vilsmier	150-401		0.0	0	0.0	0.0		kg	0.0	No movement;	5.911	\$0	0.00%	\$ -	0
Off spec 97% vilsmier	150-402		0.0	0	0.0	0.0		Kg	0.0	No movement;	7.719	\$0	0.00%	\$ -	0
Vilsmier 97%	100-402	1 = 55 2 = 41	0.0	4125	2200.0	1925.0		Kg	(1925.0)	77 x 25 kg drum.	16.418	\$0	0.00%	\$ (35,120)	31,605
Avenal 1525	100-100	20	0.0	0.00	0.0	0.0		lbs	0.0	No Movement	1.090	\$0	0.00%	\$ -	0
Avenal 925	100-099	20	0.0	2037.00	0.0	2037.0		lbs	(2037.0)	No movement; heel in E-2. 1 @ 2037 lbs.	2.366	\$0	0.00%	\$ -	4,819
Avenal N-374	100-101	20	0.0	940.00	0.0	940.0		lbs	(940.0)	No movement; heel in E-2. 1 @ 940 lbs	2.264	\$0	0.00%	\$ -	2,129
BCF: Dbad + Benzylcarb + Sales	100-120	104	0.0	128446	0.0	128446.0		lbs.	(128446.0)	290 x 200 kg & 1 x 104 kg & 1 x 158 kg	1.897	\$0	0.00%	\$ -	243,688
BCF Sales only	100-121		0.0	58000		58000.0		Kgs	(58000.0)	Keep inventory value at \$0. For tracking only	0.000	\$0	0.00%	\$ -	0
BCF Europe warehouse	102-120	100	0.0	6000	0.0	6000.0		Kgs	(6000.0)	Cycle counted; 30 x 200 kg	4.183	\$0	0.00%	\$ -	25,096
Secbutyl CF	100-160	100	0.0	6803	0.0	6803.0		lbs.	(6803.0)	No movement; 15 x 200 kg & 1 x 86 kg (Reefers)	2.928	\$0	0.00%	\$ -	19,919
N-Pentyl CF	100-903		20,477.0	35000	8000.0	47477.0	47477	Kgs	0.0	Cycle counted; 237 x 200 kg & 1 x 77 kg	5.952	\$121,869	8.46%	\$ 74,257	282,559
Ethyl CF	100-904		0.0	3501	0.0	3501.0		Kgs	(3501.0)	4 x 200 kg & 4 x 20 kg. E-1 cool room.	12.326	\$0	0.00%	\$ -	43,154
PCF	600-156		0.0	0.00	0.0	0.0		lbs.	0.0	No movement	0.000	\$0	0.00%	\$ -	0
PNBC Via PCF	100-156		0.0	48,971	45000.0	3971.0		lbs.	(3971.0)	Will cycle count in October	3.670	\$0	0.00%	\$ (165,150)	14,574
Acticryl Cl - 1039	100-108	178	0.0	5182.2	0.0	5182.2		lbs.	(5182.2)	No movement; 11 x 200kgs? lbs & 1 x 332 lbs	4.363	\$0	0.00%	\$ -	22,607
DIDCC	100-052		0.0	0	0	0.0		Kgs	0.0	No movement	13.004	\$0	0.00%	\$ -	0
Lauroyl Chloride	100-900	20	0.0	0	0.0	0.0		lbs	0.0	No movement	1.740	\$0	0.00%	\$ -	0
DBAD	100-725	25	0.0	4,049	4000.0	49.0		kgs	49.0	2 x 25 kg boxes. Shipped out 1 kg to new customer,	19.611	\$0	0.00%	\$ (78,443)	961
Phenyl Chloroformate	100-150	159	0.0	51208	441.0	50767.0		lbs.	(50767.0)	Drums in E-1, 93 @ 245 kgs, 1 @ 23 kgs, 1 @ 265 kgs.	2.053	\$0	0.00%	\$ (905)	104,225
Phenyl Chloroformate HEAL	600-152		0.0	1120	0.0	1120.0		lbs.	(1120.0)	Used for heel in PHCF (3 drums) E-2.	1.466	\$0	0.00%	\$ -	1,642
TEU (DRIED intermediate)	600-128	160	116,103.0	0	0.0	116100.0		lbs	(116100.0)	Will cycle count in October.	0.000	\$0	0.00%	\$ -	0
HEGCL -ODCB--Dry basis.	100-301	20	0.0	903	0.0	903.0		dry lbs	(903.0)	No movement; Total weight of 4,403 wet lbs, assay 20.5% 903 dry lbs.	0.000	\$0	0.00%	\$ -	0
HEGCL -Dry Basis	100-128	49	0.0	6,464	5167.0	1297.0		lbs	(1297.0)	2 x 2000 lbs @ 32.3%. Will cycle count in October	6.097	\$0	0.00%	\$ (31,503)	7,908
Carbaester	100-711	15	23287.0	11905	35192.03	(0.0)	0	lbs	0.0	Cycle counted	16.645	\$387,605	26.89%	\$ (198,156)	(0)
2-CMBSI Dry Basis -BAYER	100-728	15	0.0	0	0	0.0		Kg	0.0	No Movement	6.000	\$0	0.00%	\$ -	0
2-CMBSI Dry Basis-DUPONT	100-730	15	75852.9	10813	43017.6	43648.3		Kg	(43648.3)	Will cycle count in October.	6.000	\$455,079	31.57%	\$ 196,995	261,868
ESPI Dry Basis - Dupont	100-501		0.0	0	0	0.0		kg	0.0	No Movement	6.215	\$0	0.00%	\$ -	0
ESPI Dry Basis - Dupont owned	300-501			2500	0	2500.0		kg	(2500.0)	2500 kg heel in DPCU 001016-6	0.000			\$ -	0
MTSI Dry Basis - Dupont	100-945		0.0	0		0.0		kg	0.0	No Movement	7.191	\$0	0.00%	\$ -	0
Saltidin-Lanxess	100-729	0	0.0	0	0	0.0		kg	0.0	No Movement	6.000	\$0	0.00%	\$ -	0
TBBA-PolyCarbonate	100-131	0	0.0	2602	0	2602.0		kg	(2602.0)	No movement	88.184	\$0	0.00%	\$ -	229,455
TBBHPF-PolyCarbonate	100-132	0	0.0	34.6		34.6		kg	(34.6)	No movement	99.000	\$0	0.00%	\$ -	3,425
TBBHPF-PolyCarbonate in MeCl2			0.0	400	0	400.0		kg	(400.0)	28 x 500 lbs, 1 x 525 lbs, 1 x 530 lbs, 1 x 550 lbs & 1 x 605 lbs = 16,209 wet lbs = 400 dry kg of product	99.000	\$0	0.00%	\$ -	39,600
2,4-DCBHA	100-103		0.0	0	0	0.0		kg	0.0	No movement	22.707	\$0	0.00%	\$ -	0
Benzyl Carbazate, normal	100-118	20	0.0	0		0.0		kgs	0.0	No movement	14.303	\$0	0.00%	\$ -	0
Benzyl Carbazate, 97%	100-119	20	0.0	600	0	600.0		kgs	(600.0)	No movement; E-1. Fiber Boxes Cold room.20 @25 kgs boxes, 4 @ 25 kg drums.	14.303	\$0	0.00%	\$ -	8,582
32% Muratic Acid	900-390		23,368.0	50632.00	0.0	74000.0	74000	lbs	0.0	Cycle counted	0.005				
		Total	293,498					lbs				\$1,441,267	100.00%	\$ (344,676)	\$2,756,704

Total Finished goods value for the month Inventory Changes for the month

Finished Goods	2,756,704	(\$344,676)
Raw materials	1,780,486	\$ 376,173
Packaging	185,537	\$0
Off-spec Finished goods.		
Off-spec Raw materials	0	
Total	4,722,727	\$31,497

Daily Production Value

METRIC DATA Calculation:	57.5	Days of inventory Turn
	\$ 30,000,000	TTM Cost of goods sold.



September 2012 Raw Materials

Last updated

9/2/2012

Note: Final numbers to come from accounting month end close.

VDM00785

Product	Product code	BOM Accounting	Usage	Receipts/ Production	EOM Calc	EOM Physical Check	Difference	UNIT	Comments	Variance?	Inventory value	Value EOM	Change in value
Over-all Phosgene Usage													
PTSA	600-610	137898.0	0.0	74957.0	212855.0		(212855.0)	lbs.	3862x 25 bags		\$ 1.362	\$ 289,909	\$ 102,091
PTSA off site at CDI	602-610	0.0	0.0	0.0	0.0		0.0	lbs.	No movement		\$ 1.720	\$ -	\$ -
MCB -PTSI	600-441	38,640	0.0	0.0	38640.0		(38640.0)	lbs.			\$ -	\$ -	\$ -
MCB DRUMS for all processes on-site	600-440	1,500	0.0	0.0	1500.0		(1500.0)	lbs.	3 x 500 lbs in quarantine cage.		\$ 0.880	\$ 1,320	\$ -
MCB off-site @ CDI	602-440	23,658	0.0	0.0	23658.0		(23658.0)	lbs.	46 x 500 lbs + partial (658 lbs)		\$ 1.124	\$ 26,592	\$ -
NBI -PTSI Addition line.	600-452	0.0	0.0	0.0	0.0		0.0	lbs.	KEEP INVENTORY AT ZERO...for VALUE CALC.		\$ -	\$ -	\$ -
DMF -Fresh material ACL	600-410	8600	21322.0	23463.0	10741.0	10741	0.0	lbs.	Cycle counted: wash tank: 313 lbs & 4 x 2607 lbs		\$ 0.800	\$ 8,593	\$ 1,713
DMF -Distilled material ACL	600-413	11365	4750.0	0.0	6615.0		(6615.0)	lbs.	Will cycle count in October.		\$ -	\$ -	\$ -
Fresh Heptane, NCA's, 97% SVH.	600-616	0.0	0.0	0.0	0.0		0.0	lbs	No movement		\$ 0.862	\$ -	\$ -
Heptane- Distilled 97% SVH	600-928	31300	18000.0	0.0	13300.0		(13300.0)	lbs	Sent out 18,000 lbs as waste. Distilled Heptane in E-2: 8 x 1500 lbs & 1 x 1300.		\$ -	\$ -	
BZOH - BCF	600-120	43606	0.0	43387.0	86993.0		(86993.0)	lbs.	80 x 210 kg & ST-119: 6,569 lbs		\$ 1.140	\$ 99,172	\$ 49,461
NBI - PNBC, PTSI, Acticryl, 2-CMBSI, ESPI, MTSI	600-452	24712	3495.0	0.0	21217.0	21217	0.0	lbs.	Cycle counted; 48 x 180 kg in E-1, 5 x 180 kg in C-1 & 176 lbs in D-3.		\$ 5.780	\$ 122,634	\$ (20,201)
Pentanol - Pentyl CF	600-161	11009.0	11009.0	0.0	0.0	0	0.0	kg	Cycle counted ST-2 & in process		\$ 3.990	\$ (0)	\$ (43,926)
Ethanol - Ethyl CF	600-904	0.0	0.0	0.0	0.0		0.0	kg	No movement		\$ 10.754	\$ -	\$ -
OH -PNBC	600-158	44533	0.0	0.0	44533.0		(44533.0)	lbs.			\$ 2.350	\$ 104,653	\$ -
NBA - PNBC Old way	600-420	10495	0.0	0.0	10495.0		(10495.0)	lbs.	No movement; 13 x 150 kg 1 x 215 lbs 1 x 1402 lbs, 1 x 1411 lbs , 1 x 1658 lbs, 1 x 1395 lbs & 1 x 115 lbs.		\$ 1.350	\$ 14,168	\$ -
PCF	600-156	0	0.0	0.0	0.0		0.0	lbs.	No movement;		\$ 2.604	\$ -	\$ -
											\$ 1.430		
HCL 32%, 20 Be drums	600-801	10000	17000.0	20000.0	13000.0	13000	0.0	lbs	Cycle counted; 26 @ 500 lbs		\$ 0.240	\$ 3,120	\$ 720
Phenol - PHCF	600-150	0.0	0.0	0.0	0.0		0.0	lbs.	No movement		\$ 0.923	\$ -	\$ -
TMAC - PHCF	600-817	660.0	0.0	0.0	660.0		(660.0)	lbs	No movement; E-1, (6) fiber drums.		\$ 2.680	\$ 1,769	\$ -
TEU -Dry TEU production.	600-128	0.0	0.0	116100.0	116100.0		(116100.0)	lbs.	Will cycle count in October		\$ 3.340	\$ 387,774	\$ 387,774
DEA- HEGCL (Fresh material)	600-400	11957	30800.0	76979.0	58136.0		(58136.0)	lbs.	38 x 140 kg & 1 x 215 lbs, ST-3 & 2 bins		\$ 1.340	\$ 77,902	\$ 61,880
Toluene -distilled material (HEGCL)	600-620	55552	0.0	0.0	55552.0		(55552.0)	lbs.	Will cycle count in October		\$ -	\$ -	\$ -
DEA- HEGCL (RECYCLED Material)	600-614	33063	29457.8	0.0	3605.3		(3605.3)	lbs.	Will cycle count in October		\$ -	\$ -	\$ -
4-Methoxyphenol HQMME - Acticryl	600-108	375.0	0.0	0.0	375.0		(375.0)	lbs	No movement; 17 bags in E-1		\$ -	\$ -	\$ -
2-Hydroxyethylacrylate (HEA) - Acticryl	400-109	0.0	0.0	0.0	0.0		0.0	lbs	No movement; 400-109 Obsolete code		\$ -	\$ -	\$ -
Butylated Hydroxytoluene (BHT) - Acticryl	600-110	0.0	0.0	0.0	0.0		0.0	lbs	No movement; E-1 by Actricyl mateiral.		\$ 25.513	\$ -	\$ -
Isopropyl Alcohol -Acticryl	600-111	3620.0	0.0	0.0	3620.0		(3620.0)	lbs	No movement; 2 x 1810 lbs		\$ 1.039	\$ 3,760	\$ -
Tin Octanoate (II) -Acticryl	400-113	86.1	0.0	0.0	86.1		(86.1)	lbs	E-1; 400-113 Obsolete code		\$ -	\$ -	\$ -
NBI -Acticryl	600-452		0.0	0.0	0.0		0.0	lbs.	Tracking usage only		\$ 8.352	\$ -	\$ -
Macol 15-25 -Avenal	300-216	0.0	0.0	0.0	0.0		0.0	lbs.	No movement		\$ -	\$ -	\$ -
NEODAL 925 - Avenal	300-217	0.0	0.0	0.0	0.0		0.0	lbs.	No movement		\$ -	\$ -	\$ -
Macol N-374-Avenal	300-218	0.0	0.0	0.0	0.0		0.0	lbs.	No movement		\$ -	\$ -	\$ -
Aliquat 336 - Avenal	600-107	420.0	0.0	0.0	420.0		(420.0)	lbs.	1 @ 390, 1@ 30 lbs in E-1.		\$ 6.470	\$ 2,717	\$ -
DBAD production and Benzyl carb													
Sodium Carbonate Tech Grade	600-923	21600	0.0	0.0	21600.0		(21600.0)	lbs	432 bags @ 50 lbs		\$ 0.384	\$ 8,292	\$ -

MTSA - Non-owned raw for Dupont	300-945	0.0	0.0	0.0	0.0		0.0	kg	No movement		\$ -	\$ -	\$ -
NBI -Cat. Tracked above, usage here.					0.0		0.0	lbs			\$ -	\$ -	\$ -
MTSI- Distilled- Xylene	600-946	0.0	0.0	0.0	0.0		0.0	lbs	No movement		\$ -	\$ -	\$ -

Saltidin Raw Materials													
secbutyl Alcohol - SecButyl CF	600-160	1480	0.0	0.0	1480.0		(1480.0)	lbs.	No movement; 4 x 370 lbs		\$ 1.507	\$ 2,231	\$ -
SecButyl CF >>From Product Sheet!	100-160	6803	0.0	0.0	6803.0		(6803.0)	lbs.	15 x 200 kg & 1 x 86 kg (Reefers)		\$ -	\$ -	\$ -
HEPP supplied from Saltigo.	300-901	0	0		0.0		0.0	lbs.			\$ -	\$ -	\$ -
Toluene - Saltidin	600-623	0	0	0	0.0		0.0	lbs	Cycle counted, sent out as waste		\$ -	\$ -	\$ -
Sulfuric acid (20% for Iciridanconcentrated)	600-221	0		0.0	0.0		0.0	lbs	No movement;		\$ 0.333	\$ -	\$ -

Lauroyl Chloride Raw materials													
Lauryl Chloride "heel" drum.	600-153	0.0		0.0	0.0		0.0	lbs.	No movement		\$ 2.310	\$ -	\$ -
Lauric Acid	600-903	0.0	0.0	0.0	0.0		0.0	lbs.	No movement		\$ 1.050	\$ -	\$ -

CECF raw materials:													
Benzyl Tributyl Ammonium Chloride	400-121	1984.14		0.0	1984.1		(1984.1)	lbs.	No movement; E-1. (36) bags.		\$ -	\$ -	\$ -

ADI Raw materials													
ADA (non-owned)	300-731	0.0	0.0	0.0	0.0		0.0	lbs	No movement		\$ -	\$ -	\$ -
Recycle ADI Xylene	600-622	31450.0	31450.0	0.0	0.0		0.0		Cycle counted; sent out 31,450 lbs as waste.		\$ -	\$ -	\$ -
Virgin Xylene (tracked only) reported above	600-102		0.0	0.0	0.0		0.0	lbs	Tracked above		\$ -	\$ -	\$ -

4-TFMPI Raw materials													
4-Trifluoromethoxyaniline (non-owned)	300-902	0.0	0.0	0.0	0.0		0.0	kg	No movement		\$ -	\$ -	\$ -
Toluene (tracked only) reported below	600-611		0.0	0.0	0.0		0.0	lbs	Tracked below, shows USAGE only.		\$ -	\$ -	\$ -
Toluene - Distilled-	600-621	0	0.0	0.0	0.0		0.0	lbs	No movement		\$ -	\$ -	\$ -

PolyCarbonate Raws													
Virgin Methylene Chloride	600-935	1200.0	0.0	0.0	1200.0		(1200.0)	lbs	No movement; 2 x 600 lbs drums in C-1		\$ 0.812	\$ 974	\$ -
Virgin n-Heptane	600-936	0.0	0.0	0.0	0.0		0.0	lbs	No movement;		\$ 2.468	\$ -	\$ -
p-t-Butyl Phenol (PTBP)	600-937	41.8	0.0000	0.0	41.8		(41.8)	kg	No movement; 1 x 40.226 kg & 1 x 1.574 kg.		\$ 17.721	\$ 741	\$ -
Dimethylaminopyridine (DMAP)	600-938	46.7	0.000	0.0	46.7		(46.7)	kg	No movement; 1 x 25 kg & 1 x 18.087 kg & 1 x 3.613 kg		\$ 122.000	\$ 5,697	\$ -
BTEAC	600-939	66.8	0.0	0.0	66.8		(66.8)	kg	No movement 1 x 24.9 kg, 1 x 41.9 kg		\$ 14.317	\$ 956	\$ -
TBBA	300-940	650.0	0.0	0.0	650.0		(650.0)	kg	No movement; 26 x 25 kg		\$ -	\$ -	\$ -
TBBHPF	300-941	3594.0	0.0	0.0	3594.0		(3594.0)	kg	No movement; 89 x 40 kg & 1 x 34 kg		\$ -	\$ -	\$ -
Methylene Chloride Recycle	600-944	31080.0	0.0	0.0	31080.0		(31080.0)	lbs	No movement; trailer 302 (31,080 lbs)		\$ 0.810	\$ 25,175	\$ -
n-Heptane Recycle	600-943	60080.0	0.0	0.0	60080.0		(60080.0)	lbs	No movement; trailer SP-22 (26,480 lbs) & ISO ETNU 870000-4 (33,600 lbs).		\$ 2.460	\$ 147,797	\$ -

2,4-DCBHA Raw Materials													
Isopropyl Alcohol -distilled (2,4-DCBHA)	600-113	29123	0.0	0.0	29123.0		(29123.0)	lbs	No movement; 13 x 1800 lbs & plus (4) partial Totes in various lbs (1147610).		\$ -	\$ -	\$ -
Hydroxylamine, 50% solution	600-929	8373	0.0	0.0	8373.0		(8373.0)	kg	No movement; E-1, Blue drums. 38 drums @ 220 kgs, plus 1 at 13 kgs.		11.95	\$ 100,057	\$ -
2,4-Dichlorobenzyl Chloride	600-930	19750	0.0	0.0	19750.0		(19750.0)	kg	No movement; E-1, 79 drums @ 250 kgs.		5.111	\$ 100,942	\$ -
Disodium EDTA Dihydrate	600-931	875	0.0	0.0	875.0		(875.0)	lbs	No movement; 7 x 125 lbs, in E-1 one pallet.		6.38	\$ 5,583	\$ -
Sodium Hypochlorite Solution	600-932	0	0.0	0.0	0.0		0.0	lbs	No movement		0.1282	\$ -	\$ -
Potassium Carbonate - LIQUID	600-713	4400	0.0	0.0	4400.0		(4400.0)	lbs	No movement; (4) bins in E-1. 275 gals each. Seems to have been LOSS as a supply, need to move BACK into inventory.		0.6587	\$ 2,898	\$ -
Potassium Carbonate	600-933	10553	0.0	0.0	10553.0		(10553.0)	lbs	No movement; 195 bags in E-1		0.895	\$ 9,445	\$ -
Sodium Thiosulfate	600-934	4445.25	0	0	4445.3		(4445.3)	lbs	No movement; 196 @ 50 lbs in E-1, NEED TO USE FOR PHOSGENE TUBS!!! Should correct for year end and monitor usage.		1.0758	\$ 4,782	\$ -

25% NAOH - ALL	600-200	18,635	83421.3	65620.0	833.8	833	(0.8)	Dry lb	Cycle counted; ST-22		\$ 0.370	\$ 308	\$ (6,586)
50% NAOH	600-900	8.04	51.7	79.9	36.3	36.225	(0.0)	Dry to	ST-5/6 tank only.		\$ 655.000	\$ 23,750	\$ 18,484

50% NAOH for TBU, Same code	600-902	0.0	0.0	0.0	0.0		0.0	Dry lbs			\$ 0.320	\$ -	\$ -
Nitrogen (CCF)	600-910	3468.48			3468.5	7081.5		100 sc	ST-11 bulk tank.		\$ 0.485	\$ 1,684	\$ -
CO- CBC	600-100	26841		0.0	26841.0		(26841.0)	lbs.			\$ 1.686	\$ 45,246	\$ -
CO- In transit	601-100	0.0		0.0	0.0		0.0	lbs.			\$ 1.686	\$ -	\$ -
Chlorine -CBC	600-125	275017	413125	338880	200772	195430	(5342.5)	lbs.	Need to correct adjustment to production.		\$ 0.143	\$ 28,610	\$ (10,580)
General Solvents/Misc items												\$ -	\$ -
Toluene (Lots of products!)	600-611	35252	70502.0	45020.0	9770.0	9770	0.0	lbs.	Cycle counted; 15 x 1800 lbs & 1 x 770 lbs		\$ 0.650	\$ 6,351	\$ (16,563)
Toluene from Dupont for Benzyl Carbazate	300-611	100915	0.0	0.0	100915.0		(100915.0)	lbs.	No movement;		\$ -	\$ -	\$ -
Methanol fresh, cleaning for other products	600-813	58285	49331.0	0.0	8654.0	8654	0.0	lbs.	Cycle counted; 1 x 2254 lbs & 4 x 1600 lbs		\$ 0.275	\$ 2,380	\$ (13,649)
Methanol -recycled material, cleaning for other products	600-919	11200	0.0	0.0	11200.0		(11200.0)	lbs.	No movement; 7 bins (2,4-DCBHA MeOH), 1600 lbs each		\$ -	\$ -	\$ -
Sodium Bi-Carbonate-Carbaester	600-811	5300.0	5000.0	0.0	300.0	300	0.0		Cycle counted; 6 x 50 lbs (083112-02)		\$ -		
THF/Obsolete material	400-162	400.0	0.0	0.0	400.0		(400.0)	lbs	No movement: E-2 (1) drum		\$ -	\$ -	\$ -
DMME-Pilot lab/Obsolete material	400-210/1	375.0	0.0	0.0	375.0		(375.0)	lbs	E-1; 17 bags		\$ -	\$ -	\$ -
ETHYL Acetate	400-412	1200.0	0.0	0.0	1200.0		(1200.0)	lbs	E-2; 3 drums.		\$ -		
Potassium Hydroxide 45%	600-712	0.0	0.0	0.0	0.0		0.0	lbs			\$ 0.241	\$ -	\$ -
Z-val NCA, just in case.													
(L)-Valine (Fine powder) - Valine NCA	600-166	0.0	0.0	0.0	0.0		0.0	lbs.	-	#DIV/0!	\$ 11.790	\$ -	\$ -
THF(tetrahydrofuran) - Valine NCA, Z-Valine NCA	600-162	0.0	0.0	0.0	0.0		0.0	lbs.			\$ 1.050	\$ -	\$ -
ISOPAR-G - Valine NCA	600-163	0.0	0.0	0.0	0.0		0.0	lbs.		0.0000	\$ 0.600	\$ -	\$ -
Valine NCA (produced)	600-165	0.0	0.0	0.0	0.0		0.0	lbs.		0.0000	\$ 30.000	\$ -	\$ -
N-Methyl Morpholine	600-164	0.0	0.0	0.0	0.0		0.0	lbs.		0.0000	\$ 2.250	\$ -	\$ -
Benzyl Chloride (raw material) Z-valine NCA		0.0	0.0	0.0	0.0		0.0	lbs.		0.0000	\$ 2.520	\$ -	\$ -
MTBE (Methyl tertbutylether) Z-valine NCA	600-161	0.0	0.0	0.0	0.0		0.0	lbs.		0.0000	\$ 0.900	\$ -	\$ -
ODCB -Distilled	600-925	0.0	0.0	0.0	0.0		0.0	lbs.	KEEP at ZERO, but counted.		\$ -	\$ -	\$ -
Kenite-1000 (DIC) filter aid. NCA/NDI	700-301	0.0	0.0	0.0	0.0		0.0	lbs.		0.0000	\$ -	\$ -	\$ -
									Total			\$ 1,780,486	\$ 376,173

95% Vilsmeier Production batch summary

10/1/2012

Product code 100 401

Run dates 9/2/2012 0:00
9/28/2012 4:00

Cleaning

Product codes

GOOD MATERIAL

100-401

500-410

600-413

100-2000

75 lbs/hr Target.

Batch Date	Lot #	95%		Virgin DMF		Distilled DMF		Phosgene		Run time	Delays	NMR	Batch Rate	Comments
Finished		lbs	kgs	lbs	Factor		Factor	lbs	Factor	hrs	hrs	Assay	lbs/hr	
9/2/2012	1142812 (103)	1653	750	1044	0.631	0	0.000	1300	0.79	29.00	0.00	96.2	57	25 x 30 kg
9/7/2012	1145112 (104)	1720	780	1044	0.607	0	0.000	1300	0.76	113.00	87.00	96.6	15	26 x 30 kg; 87 hr delay between batches #103 & #104 (fiber drums).
9/9/2012	1145712 (105)	1852	840	1044	0.564	0	0.000	1300	0.70	28.50	4.00	96.4	65	28 x 30 kg; 4 hr down time DMF pump
9/10/2012	1146012 (106)	1521	690	1044	0.686	0	0.000	1300	0.85	26.00	0.00	95.9	59	23 x 30 kg
9/12/2012	1146612 (107)	1521	690	1044	0.686	0	0.000	1300	0.85	28.50	0.00	96.2	53	23 x 30 kg
9/13/2012	1147512 (108)	1852	840	1044	0.564	0	0.000	1300	0.70	41.00	12.00	96.4	45	28 x 30 kg; 12 hr delay (CFG pump heat exchanger)
9/14/2012	1148012 (109)	1653	750	1044	0.631	0	0.000	1300	0.79	27.00	0.00	96.2	61	25 x 30 kgs
9/15/2012	1148512 (110)	1786	810	1044	0.585	0	0.000	1300	0.73	24.50	0.00	94.9	73	27 x 30 kgs
9/17/2012	1148912 (111)	1653	750	1044	0.631	0	0.000	1300	0.79	26.00	0.00	96	64	25 x 30 kgs
9/18/2012	1149312 (112)	1852	840	1218	0.658	0	0.000	1300	0.70	30.50	0.00		61	28 x 30 kg
9/19/2012	1150012 (1)	1389	630	2845	2.048	4750	3.420	1300	0.94	24.00	0.00		58	21 x 30 kg, New DMF charge consists of 4750 lb distilled DMF + 1975 lb virgin DMF
9/20/2012	1150312 (2)	1786	810	1044	0.585	0	0.000	1300	0.73	26.50	0.00		67	27 x 30 kgs
9/22/2012	1151212 (3)	1720	780	1044	0.607	0	0.000	1300	0.76	45.50	19.50		38	26 x 30 kgs; 19.5 hr delay (manpower)
9/23/2012	1151812 (4)	1653	750	1044	0.631	0	0.000	1300	0.79	29.50	5.00		56	25 x 30 kgs; 5 hr delay (manpower)
9/24/2012	1152312 (5)	1720	780	1044	0.607	0	0.000	1300	0.76	27.00	0.00		64	26 x 30 kg
9/25/2012	1153012 (6)	1720	780	1044	0.607	0	0.000	1300	0.76	27.50	1.00		63	26 x 30 kg; 1 hr delay (CFG Pump leak)
9/26/2012	1153712 (7)	1786	810	1044	0.585	0	0.000	1300	0.73	27.00	0.00		66	27 x 30 kg
9/28/2012	1154212 (8)	1720	780	1218	0.708	0	0.000	1300	0.76	30.00	0.00		57	26 x 30 kg
				381				500						Month End Adjustments
Totals		30556	13860	21322	0.698	4750	0.155	23900	0.782	611	129			
Averages		1698	770	1122						34		96.09	49.82	

Additional material used for transition/cleaning.

Methanol lbs
DMF lbs
NaOH Dry lbs 25% NaOH
32% HCL lbs

50.01 Production Rate lbs/hr, with down time

63.33 Production Rate lbs/hr, WITH NO down time

Target Rate 60-70 Range.

DDI production Batch summary in D-1

535 DDA mol weight
587 DDI mol Weight
106 Xylene Mol Weight

10/1/2012

Product code 100-721

Run dates

R-1 9/10/2012 16:00 R-3 11-Sep 12:00
9/29/2012 9:00:00 30-Sep 1:00
Cleaning 10/2/2012 18:00:00 2-Oct 18:00

Code for Raw materials

100-721 300-112 600-102 600-617 600-920

70 lbs/hr target

Batch Date	Run #	DDI	DDA		Virign Xylene		Distilled Xylene		Phosgene		Calc	% NCO	% chloride	R-1 hrs		R-3 hrs		Total	Batch Rate	Comments
Finished	Batch #	lbs	lbs	Factor	lbs	Factor	lbs	Factor	lbs	Factor	Concen	13	<0.1	Total	Down	Total	Down	hrs	lbs/hr	
9/12/2012	1146312 (1)	2040	3300	1.618	0	0.000	8805	4.316	2000	0.980	20.9%	13.11%	0.14	19.50	0.00	23.00	0.00	41.50	49	1 x 2040 lbs
9/13/2012	1146912 (2)	4080	3300	0.809	0	0.000	8800	2.157	2000	0.490	41.7%	13.28%	0.15	25.00	6.00	26.50	0.00	50.50	81	2 x 2040 lbs; R-1: 6 hrs waiting for R-3
9/14/2012	1147312 (3)	4080	3300	0.809	0	0.000	8800	2.157	2000	0.490	41.7%	13.37%	0.17	29.50	13.50	22.00	0.00	50.50	81	2 x 2040 lbs; R-1: 13.5 hrs waiting for R-3
9/15/2012	1147812 (4)	4080	3300	0.809	0	0.000	8800	2.157	2000	0.490	41.7%	13.44%	0.13	23.00	8.00	25.00	0.00	47.00	87	2 x 2040 lbs; R-1 8 hrs waiting for R-3
9/15/2012	1148312 (5)	4080	3370	0.826	0	0.000	8800	2.157	2000	0.490	41.7%	13.33%	0.14	25.50	7.50	23.50	0.00	48.00	85	2 x 2040 lbs; R-1 7.5 hrs waiting for R-3
9/17/2012	1148612 (6)	2040	2950	1.446	0	0.000	9050	4.436	2000	0.980	20.3%	13.37%	0.13	23.50	7.00	24.50	0.00	47.00	43	1 x 2040 lbs; R-1: 7 waiting for R-3
9/18/2012	1149112 (7)	4080	2950	0.723	0	0.000	9050	2.218	2000	0.490	40.6%	13.45%	0.12	27.00	8.00	25.00	0.00	51.00	80	2 x 2040 lbs; R-1 8 hrs waiting for R-3
9/19/2012	1149812 (8)	2040	2950	1.446	0	0.000	9050	4.436	1700	0.833	20.3%	13.44%	0.14	25.00	9.00	24.50	0.00	49.00	42	1 x 2040 lbs; R-1: 9 hrs waiting for R-3.
9/21/2012	1150512 (9)	4080	2950	0.723	0	0.000	9050	2.218	1700	0.417	40.6%	13.43%	0.14	47.00	35.00	20.50	0.00	31.50	130	2 x 2040 lbs; R-1: 35 hrs (CBC scale blow out line leak)
9/22/2012	1151112 (10)	4080	2950	0.723	0	0.000	9050	2.218	1700	0.417	40.6%	13.50%	0.13	21.00	9.00	22.00	0.00	42.00	97	2 x 2040 lbs; R-1: 9 hrs waiting for R-3
9/23/2012	1151412 (11)	2040	2950	1.446	0	0.000	9050	4.436	1700	0.833	20.3%	13.65%	0.13	23.00	11.50	22.00	0.00	45.00	45	1 x 2040 lbs; R-1: 11.5 hrs waiting for R-3.
9/24/2012	1152112 (12)	4080	2950	0.723	0	0.000	9050	2.218	1700	0.417	40.6%	13.24%	0.10	25.00	11.50	22.00	0.00	46.00	89	2 x 2040 lbs; R-1: 11.5 hrs waiting for R-3
9/25/2012	1152512 (13)	4080	2950	0.723	0	0.000	9050	2.218	1700	0.417	40.6%	13.64%	0.14	23.00	10.00	20.50	0.00	42.50	96	2 x 2040 lbs; R-1: 10 hrs waiting for R-3
9/26/2012	1152912 (14)	2040	2950	1.446	0	0.000	9050	4.436	1700	0.833	20.3%	13.55%	0.12	25.00	12.00	23.00	0.00	47.00	43	1 x 2040 lbs; R-1: 12 hrs waiting for R-3.
9/27/2012	1153412 (15)	4080	2950	0.723	0	0.000	9050	2.218	1700	0.417	40.6%	13.62%	0.13	29.50	15.00	17.50	0.00	46.00	89	2 x 2040 lbs; R-1: 15 hrs waiting for R-3
9/28/2012	1154112 (16)	2040	2950	1.446	0	0.000	9050	4.436	1700	0.833	20.3%	12.44%	0.14	18.50	5.50	15.00	0.00	32.50	63	1 x 2040 lbs; R-1: 5.5 hrs waiting for R-3.
9/29/2012	1154512 (17)	4080	2950	0.723	0	0.000	9050	2.218	1700	0.417	40.6%	12.78%	0.14	19.50	4.00	21.50	4.00	40.00	102	2 x 2040 lbs; R-1: 4 hrs waiting for R-3. R-3: 4 hrs (R-1 simo).
9/30/2012	1155012 (18)	3813	2462	0.646	0	0.000	9050	2.373	1685	0.442	37.9%	13.39%	0.13	23.50	9.50	17.50	0.00	39.50	97	1 x 2040 lbs & 1 x 1773 lbs. R-1: 9.5 hrs waiting for R-3.
									500											Month End Adjustments
Totals		60933	54432	0.893	0	0.00	161655	2.653	33185	0.545				453	182	395.5	4	796.5	1397.68	
Averages		3385	3024		0		8981		1747			13.34%	0.13	25	10	22	0	44	78	

Material used for cleaning this month.

HCL	500	lbs
Xylene		lbs
Methanol	2000	lbs
Notes:		

67	Production Rate lbs/hr R-1 cycle time only with down time
112	Production Rate lbs/hr R-1 cycle time only WITHOUT down time
77	Production Rate (R-1 & R-3) lbs/Reactor hr With down times

Carbaesl Production batch summary

Product code 100-711

Run dates	R-8	2-Sep 0:00	R-9	2-Sep 0:00	R-10	2-Sep 0:00
		9-Sep 12:00		10-Sep 6:00		11-Sep 12:00
Cleaning		10-Sep 6:00		10-Sep 6:00		11-Sep 12:00
		10-Sep 18:00		10-Sep 18:00		15-Sep 18:00
		11-Sep 18:00		11-Sep 18:00		
		15-Sep 18:00		15-Sep 18:00		

CRUDE BATCH PRODUCTION

Code for Raw materials																					
600-812					600-814			600-512		600-611		600-813		600-200							
Batch Date	Lot # or	Crude	Thionyl Chloride		L-Phenyl Alanine		Methyl Chloroformate		Toluene		Methanol		Sodium	25% NaOH		R-8	R-9	R-10	Down	Total	Comments
Finished	Batch #	Carbeaster	lbs	Factor	lbs	Factor	lbs	Factor	lbs	Factor	lbs	Factor	Bicarb	lbs	dry lbs	Time	Time	Time	Time	Time	
		lbs	lbs		lbs		lbs		lbs		lbs		lbs	lbs		Hrs	Hrs	Hrs	Hrs	Hrs	
9/2/2012	1136412 (1)	5877	2376	0.40	3030	0.52	1800	0.31	11762	2.00	5931	1.01	2000	11035	2759	20.00	37.25	29.00	20.00	83.00	R-8: 2 hrs (D-7 cold brine) R-9: 6 hrs (DI Water) R-10: 12 hrs (off spec decision)
9/3/2012	1141712 (8)	5088	2376	0.47	3030	0.60	1981	0.39	9924	1.95	5931	1.17	500	10254	2564	18.50	35.50	8.00	0.00	60.50	
9/4/2012	1142312 (9)	5724	2376	0.42	3030	0.53	1800	0.31	9924	1.73	5931	1.04	500	9840	2460	40.50	25.00	15.00	21.00	78.50	R-8: 21 hrs (waiting for PT-24, final toluene distill)
9/7/2012	1143212 (10)	6936	2376	0.34	3030	0.44	1800	0.26	9924	1.43	5970	0.86	500	8992	2248	21.00	59.00	18.50	34.00	97.00	R-9: 34 hrs (waiting for toluene)
9/8/2012	1143412 (11)	5512	2376	0.43	3030	0.55	1800	0.33	9924	1.80	5931	1.08	500	10601	2650	57.50	34.00	20.50	36.50	110.00	R-8: 28.5 hrs (waiting for toluene) & 8 hrs (waiting for PT-24).
9/9/2012	1144512 (12)	5953	2376	0.40	3030	0.51	1800	0.30	9530	1.60	5931	1.00	500	6493	1623	38.00	26.00	16.50	16.50	78.00	R-8: 12 hrs (manpower) & 5.5 hrs (waiting for PT-24).
9/10/2012	1145412 (13)	6106	2376	0.39	3030	0.50	1800	0.29	10252	1.68	5931	0.97	500	7163	1791	29.00	23.00	12.50	0.00	62.50	
																					Month End adjustments
Totals		41196	16632		21210		12781		71240		41556		5000	64378	16095	225	240	120	128	570	
Averages		5885	2376	0.41	3030	0.52	1826	0.31	10177	1.74	5937	1.02	714	9197	2299.21	32	34	17	18	81	

Distilled Carbaester

				600-812		600-814		600-512		600-611		600-813		600-200			Down Time Hrs	Total Time Hrs	Comments
Batch Date	Lot # or Batch #	Final Carbeaster lbs	Crude Carb lbs	Thionyl lbs	Chloride Factor	L-Phenyl lbs	Alanine Factor	Methyl Chloroformate lbs	Factor	Toluene lbs	Factor	Methanol lbs	Factor	Na Bicarb lbs	25% NaOH lbs	dry lbs			
Finished	Batch #																		
9/8/2012	1144812 (3)	11464	23625	9504	0.40	12120	0.51	7381	0.31	41534	1.76	23763	1.01	3500	40121	10030	20.50	0.00	Blend 1136412 (1), 1141712 (8), 1142312 (9) & 1143212 (10). 26 x 200 kg
9/11/2012	1146412 (4)	11823	17571	7128	0.41	9090	0.52	5400	0.31	29706	1.69	17793	1.01	1500	24257	6064	18.00	0.00	
				-168		(15)		271		(738)		2075							Month End adjustments
Totals		23287	41196	16464		21195		13052		70502		43631		5000	64378	16095	39	0	
Averages		11644	20598	8316	0.40	10605	0.52	6391	0.31	35620	1.72	20778	1.01	2500	32189	8047	19	0	

Toluene		1400 lbs	Material used for cleaning!			
MeOH		2000 lbs				
HCL		250 lbs				
25% NaOH		0 Dry lbs				

Notes:

2-CMBSI Production batch summary

Production reported in kgs.

Product code 100-730 Dupont
Run dates R-4 9/2/2012 0:00 R-5 9/2/2012 0:00
1-Oct 0:00 1-Oct 0:00

10/1/2012

Cleaning

Code for Raw materials																								
Date Batch Finished	Batch #	2-CMBSI (wet) total w/solvent and flush	Transfer line flush amount	2-CMBSI %NCO assay	Total impurities Summary	2-CMBSI Dry Basis	2-CMBSA		NBI LBS			Xylenes (FRESH into ST-8)		Xylene to R-5 Total Fresh (with Line flush	Phosgene		R-4 BATCH Time	R-4 Down time	2-CMBSA addition time	Phosgene addition time	Ave CBC RATE	R-5 Time	Total Batch time	Comments
						100-728	300-101		600 452			600 102			100-2000									
	Lot #	Lbs.	Lbs.	%		kg	kg	Factor	Add	Lab	Total	Lbs	Factor	lbs	Lbs	Factor	hrs	hrs	min	hrs	lbs/min	hrs	hrs	
9/2/2012	1142712 (6)	9,242	360	40.5	8.02	1632	1500	0.919	96	124.0	220.0	0	0.000	3873	2300	1.410	13	0	45	5.25	7.3	6	18.5	Bis-Urea step, set at 3 hrs..
9/3/2012	1142912 (7)	8,696	360	40.6	7	1535	1500	0.977	101	119.0	220.0	0	0.000	3226	2302	1.500	13	0	45	6	6.4	5	17.75	
9/4/2012	1143012 (8)	9,757	360	41	6.43	1748	1500	0.858	87	133.0	220.0	0	0.000	3557	2300	1.316	14	0	47	6.75	5.7	5.75	19.5	
9/4/2012	1143512 (1)			37.3	8.68																			ISO #1 (DPCU 001006-3): 41,880 wet lbs (7,092 dry kg) 37.62% density assay
9/4/2012	1143312 (9)	8,255	360	42.2	6.35	1511	1500	0.993	91	129.0	220.0	0	0.000	3303	2300	1.522	14	0	52	5.75	6.7	6	19.75	
9/5/2012	1143612 (10)	10,257	360	40.2	6.96	1805	1500	0.831	79	141.0	220.0	0	0.000	3600	2300	1.274	11	0.75	60	5.25	7.3	5.5	16.5	R-4: (45 min) Vacumax belts broke. Changed heat-up to 75C hold for 1 hour, heat-up 240 minutes to 132C (exponential)
9/5/2012	1143812 (11)	7,609	360	42.4	6.25	1394	1500	1.076	75	145.0	220.0	0	0.000	3484	2252	1.615	11.75	0	51	6.25	6.0	5.75	17.75	
9/6/2012	1144112 (12)	10,135	360	40.7	6.71	1805	1500	0.831	78	142.0	220.0	0	0.000	3200	2400	1.330	11.5	0	90	5.5	7.3	6.5	17.5	
9/6/2012	1144312 (2)			38.3	7.36																			ISO #2 (DPCU 001007-9): 41,300 wet lbs (7,181 dry kg) 38.71 % density assay
9/7/2012	1144212 (13)	9,284	360	40.1	6.69	1623	1500	0.924	82	138.0	220.0	0	0.000	3312	2300	1.417	14.5	0	180	6.5	5.9	5.75	19.75	
9/7/2012	1144412 (14)	8,881	360	39.1	6.17	1511	1500	0.993	87	133.0	220.0	0	0.000	3528	2300	1.522	10.5	0.5	80	5	7.7	6.75	17.25	R-4: (.5 hr) Vacumax belts broke
9/7/2012	1145012 (3)			38.7	7.29																			ISO #3 (DPCU 001012-4): 37,500 wet lbs (6,606 dry kg) 39.13 % density assay
9/8/2012	1144712 (15)	8,640	360	42.5	6.54	1596	1500	0.940	80	140.0	220.0	0	0.000	2885	2300	1.441	11.5	0	100	5.25	7.3	7.25	18.25	
9/8/2012	1142512 (16)	8,262	360	40.1	6	1437	1500	1.044	85	135.0	220.0	0	0.000	3794	2300	1.600	11.5	0	75	5	7.7	9.5	20.5	R-5: (1.75 hr) Plugged sample port
9/9/2012	1145312 (17)	8,876	360	40.6	6.18	1568	1500	0.956	71	149.0	220.0	0	0.000	3085	2300	1.467	14.5	2.5	160	8.25	4.6	7.5	24.75	R-4: (2.5 hr) Vacumax chute plugged
9/9/2012	1145612 (18)	9,930	145	39.2	7.25	1740	1500	0.862	62	158.0	220.0	0	0.000	3045	2300	1.322	12	8	120	7.5	5.1	7	26.25	R-4: (7.5 hr) Vacumax chute plugged
9/10/2012	1145912 (19)	9,492	360	43	6.57	1781	1500	0.842	71	149.0	220.0	0	0.000	3053	2200	1.235	15	0	300	5.5	6.7	9	23.75	
9/11/2012	1146112 (20)	9,412	360	40.9	7	1679	1500	0.893	54	166.3	220.3	13,000	0.000	3067	2253	1.342	13.5	0	105	5	7.5	5.25	18.75	
9/11/2012	1146812 (4)			39.448	6.34																			ISO #4 (DPCU 001020-6): 41,400 wet lbs (7,405 dry kg) 38.21% density assay
9/11/2012	1146512 (21)	8,407	360	40.9	7	1493	1500	1.005	75	145.0	220.0	0	0.000	3612	2300	1.541	13.5	0	225	5	7.7	6.25	19.25	
9/12/2012	1146712 (22)	9,117	360	41.9	6.58	1664	1500	0.901	73	147.0	220.0	0	0.000	3276	2300	1.382	14	0	200	6	6.4	6.25	20	
9/12/2012	1147012 (23)	9,795	360	41.3	6.79	1768	1500	0.849	68	152.0	220.0	0	0.000	3266	2200	1.245	12	0	120	6.5	5.6	5.5	17.5	
9/13/2012	1147112 (24)	8,420	360	41.6	6.43	1521	1500	0.986	75	145.0	220.0	0	0.000	3090	2252	1.481	14.5	60	300	5.25	7.1	6.5	22	R-4: (1.0 hr) Vacumax filters in baghouse changed
9/13/2012	1147712 (5)			38.846	6.8																			ISO #5 (DPCU 001052-5): 41,240 wet lbs (7,265 dry kg) 38.63% density assay
9/14/2012	1147612 (25)	9,266	360	39.2	5.73	1584	1500	0.947	73	147.0	220.0	0	0.000	3708	2400	1.516	13	0	90	7.5	5.3	5.25	18.25	
9/14/2012	1147912 (26)	9,220	360	41.4	6.07	1664	1500	0.902	50	170.0	220.0	0	0.000	3176	2350	1.412	11.75	0	90	5.75	6.8	6.5	18.25	
9/15/2012	1148212 (27)	9,000	360	41	5.52	1607	1500	0.934	66	154.0	220.0	0	0.000	2975	2400	1.494	18.5	2.5	75	7.5	5.3	8	29	R-4: (2.5 hr) Waiting to start the longer bis-urea hold, cbc held up for open house
9/16/2012	1148412 (28)	8,730	360	41.1	5.51	1560	1500	0.961	49	171.0	220.0	0	0.000	3441	2450	1.570	16	1.5	135	8.5	4.8	6.75	24.25	R-4: (1.5 hr) Vacumax belts broke
9/16/2012	1148812 (29)	8,890	360	41	5.55	1586	1500	0.946	40	180.0	220.0	0	0.000	3268	2350	1.481	21.75	0	165	7	5.6	7.5	21.75	
9/17/2012	1149012 (30)	8,890	360	41.3	5.12	1598	1500	0.939	56	164.0	220.0	0	0.000	2981	2350	1.471	12.75	2	120	6	6.5	7.25	22	R-4: (2.0 hr) Sharing CBC scale with D-7
9/17/2012	1149512 (6)			39.721	5.4																			ISO #6 (DPCU 001044-3): 41,440 wet lbs (7,469 dry kg) 38.19% density assay
9/18/2012	1149412 (31)	9,080	360	41.9	5.77	1657	1500	0.905	40	180.0	220.0	10850	0.000	3068	2400	1.448	12	8	150	7.25	5.5	5	25	R-4: (8.0 hr) Looking for CBC leak on cylinder blowout line
9/20/2012	1149712 (32)	9,689	360	38.8	5.48	1642	1500	0.914	62	158.0	220.0	0	0.000	3420	2400	1.462	16	38.25	345	6.25	6.4	6.25	60.5	R-4: (38.25 hrs) Repairing CBC leak on cylinder blowout line (changed out vacumax filters at this time as well)
9/21/2012	1150612 (33)	9,394	360	40.7	5.69	1668	1500	0.899	56	164.0	220.0	0	0.000	3402	2400	1.439	14.25	0	330	6.25	6.4	5	19.25	Slow 2-CMBSA due to material make-up. Chute pluggage issues. Belts broke
9/21/2012	1150912 (34)	8,516	360	41.6	5.51	1539	1500	0.975	52	168.0	220.0	2858	0.000	3218	2400	1.559	11	1.75	90	5.5	7.3	5.75	18.5	R-4: (1.75 hr) Sharing scale with DDI
9/21/2012	1151612 (7)			39.984	5.56																			ISO #7 (DPCU 001226-1): 41,240 wet lbs (7,489 dry kg) 38.48% density assay
9/22/2012	1151312 (35)	8,824	360	40.7	5.96	1563	1500	0.960	107	143.0	250.0	0	0.000	3521	2400	1.536	11.75	0	90	6.75	5.9	6	17.75	
9/22/2012	1151712 (36)	8,743	360	40.2	6.22	1529	1500	0.981	101	149.0	250.0	0	0.000	3218	2400	1.570	15	0	300	6	6.7	5	20	
9/23/2012	1152012 (37)	8,680	360	41.4	6.39	1562	1500	0.960	87	163.0	250.0	5000	0.000	3348	2400	1.536	11	0	90	6.5	6.2	7	18	
9/23/2012	1152212 (38)	8,717	360	37.9	5.87	1437	1500	1.044	77	173.0	250.0	0	0.000	3255	2030	1.413	15.25	3.5	255	7	4.8	6.25	25	R-4: (3.5 hr) Vacumax issues, belts broke and plugging issues

9/24/2012	115271	9,250	360	41.7	6.12	1682	1500	0.892	65	185.0	250.0	3000	0.000	3460	2500	1,487	16.5	0	240	5.2	5.5	22	ISO #8 (DPCU 001232-2): 40,080 wet lbs (6,878 dry kg) 38.58% density assay	
9/24/2012	1153212 (8)			37.819	6.15																		R-5: (3.5 hr) Delay ST-26a being off-loaded	
9/24/2012	1152812 (40)	8,581	360	43.2	6.36	1611	1500	0.931	61	189.0	250.0	5000	0.000	3333	2400	1,490	12.25	0	105	6	6.7	11.25	20	
9/25/2012	1153312 (41)	9,120	360	40.5	5.69	1609	1500	0.932	61	189.0	250.0	0	0.000	3530	2300	1,429	13.25	0	180	6.25	6.1	6.25	19.5	
9/25/2012	1153612 (42)	9,323	359	41.2	6.02	1675	1500	0.895	103	147.0	250.0	0	0.000	2856	2400	1,433	13.75	0	120	7.5	5.3	7.5	21.25	
9/26/2012	1153812 (43)	8,629	360	41.8	6.62	1568	1500	0.957	81	169.0	250.0	0	0.000	3364	2400	1,531	14.5	0	60	6.5	6.2	6.5	21	
9/26/2012	1154312 (44)	9,976	360	38.8	6.16	1692	1500	0.886	89	161.0	250.0	0	0.000	2902	2400	1,418	11.5	9.5	45	6	6.7	8.5	29.5	R-4: (9.5 hr) 7.25 hr from vacumax belts broke, 2.25 hr from rotary valve siezed
9/27/2012	1154812 (9)			39.525	6.34																		ISO #9 (DPCU 001236-4): 39,000 wet lbs (6,937 dry kg) 39.02% density assay	
9/7/2012	1154612 (45)	9,200	360	39.5	6.34	1584	1500	0.947	60	170.0	230.0	0	0.000	3075	2231	1,409	12.75	0	105	7.75	4.8	5	17.75	
9/27/2012	1154912 (46)	8,947	360	41.4	6.31	1613	1500	0.930	88	142.0	230.0	22,541	0.000	3329	2400	1,488	10.75	0	75	6.25	6.4	4.75	15.5	
9/28/2012	1155112 (47)	9,000	360	39.9	6.7	1564	1500	0.959	87	143.0	230.0	0	0.000	3348	2375	1,519	9.75	8.5	75	6	6.6	6.5	24.75	R-4: (8.5 hr) Delay CBC leaks on vac-u-max, caused by improperly valved in 4-way valve enclosure.
9/28/2012	1155612 (48)	9,606	360	41	6.49	1720	1500	0.872	88	142.0	230.0	0	0.000	2786	2270	1,320	10.25	0	90	5.25	7.2	5.75	16	R-5: (1.0 hr) Delay, investigating CBC odor
9/29/2012	1155812 (49)	8,982	360	41.4	6.5	1619	1500	0.926	81	149.0	230.0	0	0.000	2462	2300	1,421	10.5	0	105	5.5	7.0	5.25	15.75	
9/29/2012	1156112 (50)	9,348	360	40.2	6.58	1639	1500	0.915	80	150.0	230.0	0	0.000	2494	2400	1,464	10	0	90	5.5	7.3	5.5	15.5	
9/30/2012	1156412 (10)			38.741	6.89																		ISO #10 (DPCU 001201-9): 39,180 wet lbs (6,884 dry kg) 39.21% density assay	
9/30/2012	1156212 (51)	9,408	360	41.8	6.37	1716	1500	0.874	76	154.0	230.0	0	0.000	2585	2271	1,324	11	0	75	5.5	6.9	5.5	16.5	
9/30/2012	1156512 (52)	9,313	360	38.3	6.12	1555	1500	0.964	69	161.0	230.0	0	0.000	3564	2300	1,479	10.25	0	75	5.25	7.3	6.5	16.75	
														2600										Month end adjustment
Total		426789	16704			75853	70500		3495			62249		152343	112136		2856	147					Rate	Based on R-4 Cycle time, 1,550 Kgs/Batch
Average		9081		40.46	6.36	1614	1500	0.929	74	154	228	1324		3241	2336	1,448	13.03		130.21	6.22			21	

TEU Production batch summary

3/31/2011

Product codes 600 128 and 600-129

Run dates

R-8 9/15/2012 18:00 R-9 9/16/2012 20:00 R-10 9/17/12 9:00
10/1/2012 0:00 10/1/2012 0:00 10/1/2012 0:00

Code for Raw materials

		600-129	600 611		600 400		600 920		600 200			600 801		lbs/hr target						Batch Rate	Comment
Batch Date	Lot # or	Wet TEU production	Virgin Toluene		Virgin DEA		CBC		25% Caustic			HCL		Recycle DEA/Tol	Acid Split	R-8	R-9	Total	Down		
Finished	Batch #	total lbs	lbs	Factor	lbs	Factor	lbs	Factor	Total lbs	Dry lbs	Factor	lbs	Factor	lbs	lbs	Hrs	Hrs	hrs	hrs	lbs/hr	
9/17/2012	1148712 (1)	6848	0	0.000	1800	0.263	3057	0.448	12899	3225	0.471	515	0.075	4525	2085	28.00	12.00	39.00	15.00	175.59	R-8: 10 hr delay (ST-28 pump seal) & 5 hrs (sharing vaporizer with D-3).
9/18/2012	1149212 (2)	6435	0	0.000	2000	0.311	3221	0.501	13254	3314	0.515	604	0.094	4525	1926	20.00	11.00	30.00	2.00	214.50	R-8: 2 hr delay (phosgene leak)
9/18/2012	1149612 (3)	6405	0	0.000	1600	0.250	2875	0.449	11750	2938	0.459	490	0.077	4525	2168	14.00	12.00	25.50	0.00	251.18	
9/19/2012	1149912 (4)	6345	0	0.000	1500	0.236	2875	0.453	11850	2963	0.467	424	0.067	4525	1985	21.00	12.50	33.00	9.00	192.27	R-8: 9 hr delay between batches (phosgene leak)
9/20/2012	1150212 (5)	6189	0	0.000	1400	0.226	2875	0.465	12045	3011	0.487	510	0.082	4525	1943	16.00	12.00	27.00	0.00	229.22	
9/20/2012	1150412 (6)	6157	0	0.000	1500	0.244	2875	0.467	12580	3145	0.511	771	0.125	4525	2051	11.40	14.50	25.00	0.00	246.28	
9/21/2012	1150712 (7)	4950	0	0.000	1400	0.283	2875	0.581	12050	3013	0.609	726	0.147	4525	3603	16.00	18.00	33.00	4.00	150.00	R-9: 4 hr delay (PT-29 Full)
9/22/2012	1151012 (8)	5575	0	0.000	1400	0.251	2875	0.516	12460	3115	0.559	500	0.090	4525	1918	18.50	12.00	29.50	7.00	188.98	R-8: 7 hrs waiting for R-9 (PT-29 full)
9/23/2012	1151512 (9)	6180	0	0.000	1400	0.227	3218	0.521	13675	3419	0.553	694	0.112	4525	2252	14.00	32.50	45.50	18.50	135.82	R-9: 18.5hr delay (PT-29 & ST-14 Full)
9/24/2012	1151912 (10)	4882	0	0.000	1400	0.287	3100	0.635	14150	3538	0.725	1408	0.288	4525	4528	33.00	24.50	56.50	26.00	86.41	R-8: 10.5 hrs R-9: 15.5 hrs (ffluent full).
9/25/2012	1152612 (11)	5272	0	0.000	1400	0.266	2875	0.545	12712	3178	0.603	907	0.172	4525	2502	24.00	24.50	47.50	22.50	110.99	R-8: 12.5 hrs R-9: 10.5 hrs (effluent full).
9/26/2012	1153112 (12)	5760	0	0.000	1400	0.243	2875	0.499	12621	3155	0.548	950	0.165	4525	2500	24.50	24.50	48.00	21.00	120.00	R-8: 6 hrs R-9: 15 hrs (effluent full).
9/26/2012	1153512 (13)	5850	0	0.000	1400	0.239	2875	0.491	12604	3151	0.539	627	0.107	4525	2450	28.50	15.00	42.50	14.00	137.65	R-8: 7 hrs R-9: 7 hrs (effluent full).
9/27/2012	1154012 (14)	6075	0	0.000	1400	0.230	2875	0.473	13021	3255	0.536	686	0.113	4525	2499	15.50	17.50	32.50	7.50	186.92	R-9: 7.5 hrs (effluent full)
9/27/2012	1154412 (15)	5610	0	0.000	1400	0.250	2875	0.512	12677	3169	0.565	1060	0.189	4525	3753	18.00	13.00	30.50	5.00	183.93	R-8: 5 hr (ST-28 pump seal)
9/28/2012	1154712 (16)	6525	0	0.000	1400	0.215	2875	0.441	13600	3400	0.521	861	0.132	4525	2600	14.50	9.50	23.00	0.00	283.70	
9/28/2012	1155212 (17)	4350	0	0.000	1400	0.322	2875	0.661	14400	3600	0.828	1835	0.422	4525	5838	12.50	12.00	24.00	0.00	181.25	
9/29/2012	1155412 (18)	5888	0	0.000	1400	0.238	2875	0.488	13000	3250	0.562	743	0.126	4525	2600	12.00	8.00	19.50	0.00	301.95	
9/29/2012	1155912 (19)	5460	0	0.000	1400	0.256	2875	0.527	13000	3250	0.595	720	0.132	4525	2293	9.50	11.50	20.50	0.00	266.34	
9/30/2012	1156012 (20)	6038	0	0.000	1400	0.232	3065	0.508	13616	3404	0.564	522	0.086	4525	2502	12.00	17.00	28.50	5.50	211.86	R-9: 5.5 hr delay (PT-29 & ST-14 Full)
9/30/2012	1156312 (21)	6263	0	0.000	1400	0.224	2875	0.459	12343	3086	0.493	660	0.105	4525	2644	28.00	12.00	39.50	17.00	158.56	R-8: 17 hrs waiting for R-9 (PT-29 full)
Totals		123057	0		30800		61661		270307	67577		16213		95025	56640	390.90	325.50	700.00		4013.40	
Averages			0		1467		2936		12872	3218		772		4525	2697	18.61	15.50	33.33		191.11	

Production Data for Vilsmeier TEU production

Code for Raw materials

		600-128	600-611		600-400		600-920		600-200			600-801						Total	Time hrs	Comments
Batch Date	Lot # or	Dry TEU production	Virgin Toluene		Virgin DEA		CBC		25% Caustic			HCL		Recycle DEA/Tol	Acid Split					
Finished	Batch #	total lbs	lbs	Factor	lbs	Factor	lbs	Factor	Total lbs	Dry lbs	Factor	lbs	Factor	lbs	lbs					
9/19/2012	1150112 (1)	18700	0	0.000	5400	0.289	9153	0.489	37903	9476	0.507	1609	0.086	13575	6179	11.50				
9/21/2012	1150812 (2)	16850	0	0.000	4400	0.261	8625	0.512	36475	9119	0.541	1705	0.101	13575	5979	11.0				
9/24/2012	1152312 (3)	16480	0	0.000	4200	0.255	8968	0.544	38185	9546	0.579	1920	0.117	13575	7773	8.5				
9/27/2012	1153912 (4)	15000	0	0.000	4200	0.280	8850	0.590	39483	9871	0.658	3265	0.218	13575	9530	15.5				
9/28/2012	1155312 (5)	15970	0	0.000	4200	0.263	8625	0.540	38302	9576	0.600	2373	0.149	13575	8702	9.0				
9/29/2012	1155912(6)	15700	0	0.000	4200	0.268	8625	0.549	41000	10250	0.653	3439	0.219	13575	11038	11.5				
9/30/2012	1157512 (7)	17400	0	0.000	4200	0.241	8815	0.507	38959	9740	0.560	1902	0.109	13575	7439	9.0				
							2003			(250)		-213								
Totals		116100	0	0.00	30800	0.265	63664	0.548	270307	67327	0.580	16000	0.138	95025	56640	76				
Averages		16586	0									845		13575	7439	9.00				

Material used for cleaning this month.

NaOH Dry lbs

Pentyl Chloroformate Production batch summary

10/1/2012

Product code 100 903

Run Dates R-1 R-3
 9/2/2012 0:00 2-Sep 0:00
 9/7/2012 0:00:00 7-Sep 12:00
 Cleaning 9/10/2012 0:00:00 10-Sep 12:00

Code for Raw materials
 None (good prod 100-120

600-161

600-920

Batch Date	Lot # and	Packout	Heel Added to R 1		Actual Yield		Pentanol			Phosgene			Carb result	Total time	Down	R-1 Time	Simo & Hold	R-3 Time	Comments
Finished	Batch #	kg	kg	Lot	kg	lbs	lbs	Factor	kg	lbs	Factor	Excess	<0.5 Spec	Hrs	hrs	hrs	hrs	hrs	
9/2/2012	1141912 (7)	4600	0	1141412	4600	10141	5600	0.55	2540	11250	1.11	1.79	0.33	49.00	0.00	21.00	11.25	29.00	23 x 200 kg
9/3/2012	1142512 (8)	4000	0	1141912	4000	8818	5600	0.64	2540	11250	1.28	1.79	0.33	48.00	0.00	29.00	12.00	20.00	20 x 200 kg
9/5/2012	1143112 (9)	4800	0	1142512	4800	10582	5600	0.53	2540	11250	1.06	1.79	0.33	57.00	0.00	20.00	12.00	38.00	24 x 200 kg
9/6/2012	1143712 (10)	4000	0	1143112	4000	8818	5600	0.64	2540	11250	1.28	1.79	0.35	69.00	19.00	38.50	13.00	31.50	20 x 200 kg; 19 hr delay between batches (no phosgene)
9/7/2012	1144012 (11)	3077	0	1143712	3077	6784	2720	0.40	1234	7121	1.05	2.33	0.23	45.50	0.00	31.50	6.50	15.00	15 x 200 kg & 1 x 77 kg
									(385)	2000									Month end adjustments
Totals		20477	0		20477	45144	25120		11009	54121				268.50	19.00	140.00	54.75	133.50	
Averages		4095	0		4095	9029	5024			10424						28.00		26.70	

168 Production Rate lbs/Reactor hr (R-1 & R-3)

Additional material used for transition out of pentyl CF

NaOH Dry lbs 25% NAOH
 MeOH 2000 lbs
 32% HCL 250 lbs
 Notes:

10/1/2012

R-10

Cleaning

100-128 600-128

600 400

600 2000

600-200

600 611 600 801

lbs production from previous campaign.

Dry lbs

25% NaOH

Methanol

lbs

TEU >>

Days

0 TEU total hrs previous month

32% HCL

lbs

Days

0 TEU hrs this month.

Notes:

lbs

0 TEU total hrs for entire campaign

#DIV/0!		Production Rate lbs/hr R-8 cycle time only...DRIVES THE SHOW ON CYCLE TIME!
#DIV/0!		Production Rate lbs/Reactor hr With down times
#DIV/0!		OVER-all HEGCL Production Rate with TEU hrs

Production reported in lbs
Product code 100-600
Run dates 0:00

137,898	Beginning of month
74,957	Receipts
0	Usage
212,855	Inventory

10/1/2012

[illegible]

VDM00797

[illegible]

Additional material used for transition out of PTSD

#DIV/0!

Monthly production rate base on R-4 cycle time, NO DOWN TIME

Benzyl Chloroformate Production batch summary

10/1/2012

Product code 100 120

Run dates

R-1

R-3

Cleaning

		None (good product)		100-120		600-120		600-920		275 lbs/hr target							
Batch Date	Lot # and	Drum	ST	Heel used	Lot of heel	Actual Yield	BZOH		Phosgene		R-1	S+H.	R-3	Total	Down	Batch Rate	Comments
Finished	Batch #	kg	total lbs	lbs	used	lbs	lbs	Factor	lbs	Factor	hrs	hrs	hrs	Hrs	hrs	lbs/hr	
		0		0		0		#DIV/0!		#DIV/0!						#DIV/0!	
		0		0		0		#DIV/0!		#DIV/0!						#DIV/0!	
		0		0		0		#DIV/0!		#DIV/0!						#DIV/0!	
		0		0		0		#DIV/0!		#DIV/0!						#DIV/0!	
		0		0		0		#DIV/0!		#DIV/0!						#DIV/0!	
		0		0		0		#DIV/0!		#DIV/0!						#DIV/0!	
		0		0		0		#DIV/0!		#DIV/0!						#DIV/0!	
		0		0		0		#DIV/0!		#DIV/0!						#DIV/0!	
		0		0		0		#DIV/0!		#DIV/0!						#DIV/0!	
		0															Month End adjustment
Totals		0	0	0		0	0	#DIV/0!	0	#DIV/0!	0	0	0	0	0		
Averages		0	#DIV/0!	0		0	#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		

Additional material used for transition out of BCF										#DIV/0!		Production Rate lbs/hr R-1 cycle time only.
NaOH		Dry lbs	25% NAOH							#DIV/0!		Production Rate lbs/Reactor hr With down times
32% HCL		lbs								#DIV/0!		Production Rate lbs/Reactor hr Without down time
MeOH		lbs										
Notes:												

Benzyl Carbamate production sheet.

10/1/2012

Product code
Run dates

R-8

R-9

R-10

FD

Cleaning

Code for Raw materials
600-428

100-118

100-120

300-811

Batch Date	Run #	R	BCF add time	AVG BCF rate	Molar % Hydz	%HBAD		Product Yield BCF Based	lbs out to trailer (Wet)	Assay of Batch	Total Dry product	HYDRAZINE			BCF		Calc. Toluene	R-9/8 Cycle REACTING	R-8/9 Down time	Total Time R- 8/9	R-10 Cycle Time	F/D Cycle time	Total Batch time	Comments
Finished	Batch #		hours	lb/hr	TARGET	R-10	Final	Yield	lbs	Dry	kgs	in	lbs	Factor	lbs	factor	lbs	hrs	hrs		hrs	hrs	hrs	
					#DIV/0!			#DIV/0!			0			#DIV/0!		#DIV/0!	0			0.00				
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10/1/2012

R-1 Run dates

R-3

Cleaning

Code for Raw materials

100 052 300-123

600-611

600-615

100-2000

Target 20 lb/hr

[illegible]

Material used for cleaning this month out of DIDCC

25% NaOH dry lbs

Toluene lbs

Methanol	lbs
-----------------	-----

HCL lbs

#DIV/0!		Production Rate lbs/hr R-1 cycle time only.
#DIV/0!		Production Rate lbs/Reactor hr NO DOWNTIME
#DIV/0!		Production Rate lbs/Reactor hr With down times

MTSI Production batch summary

Production reported in kgs.
Product code 100-945
Run dates

10/1/2012

Cleaning

Code for Raw materials

Date Batch Finished	Batch #	MTSI (wet) total w/solvent and flush	Transfer line flush amount	MTSI %NCO assay	Total impurities Summary	MTSI Dry Basis	MTSA		NBI LBS			Xylenes (FRESH into ST-8)		Xylene to R-5 Total Fresh (with Line flush)	Phosgene		R-4 BATCH Time	R-4 Down time	MTSA addition time	CBC add time (1st and 2nd charge)	Ave CBC RATE	R-5 Time	Total Batch time	Comments
						100-945	300-945		600-452			600-102			100-2000									
	Lot #	Lbs.	Lbs.	%		kg	kg	Factor	Add	Lab	Total	Lbs	Factor	lbs	Lbs	Factor	hrs	hrs	hrs	hrs	lbs/min	hrs	hrs	
						0		#DIV/0!			0		#DIV/0!			#DIV/0!					#DIV/0!			
						0		#DIV/0!			0		#DIV/0!			#DIV/0!					#DIV/0!			
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TBBA Polycarbonate: production sheet

Product code

100-131

Run dates R-8

R-9

R-10
PT-33
PCP-01

FD

10/1/2012

100-131		600-940			600-937		600-938		100-2000		600-200			600-935	600-943	600-936	600-944	600-801
Batch Date	Run #	TBBA PC	TBBA Monomer		PTBP		DMAP		Phosgene		25% NaOH			MeCl2	Recycle MeCl2	Heptane	Recycle Heptane	32% HCL
Finished	Batch #	kg	kg	Factor	kg	Factor	kg	Factor	lbs	Factor	lbs	Dry lbs	Factor	Lbs	lbs	lbs	Lbs	Lbs
				#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		0	#DIV/0!					
Totals		0	0	#DIV/0!	0.000	#DIV/0!	0.0000	#DIV/0!	0	#DIV/0!	0	0	#DIV/0!	0	0	0	0	0
Averages		#DIV/0!	#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Batch Date	Run #	TBBA PC	R-8	R-9	R-10/ PT 33 / PCP	FD	Delays	Total	Batch Rate	Comments
Finished	Batch #	kg	hrs	hrs	hrs	hrs	hrs	hrs	lbs/hr	
									#DIV/0!	
										Month End Adjustments
Totals		0	0	0	0	0	0	0		
Averages		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	

Material used for cleaning this month out of TBBA Polycarbonate

NaOH	25% NAOH	#DIV/0!	Production Rate lbs/hr, with down time
MeCl2		#DIV/0!	Production Rate lbs/hr, WITH NOT down time
HCL			

TBBHPF Polycarbonate: production sheet

10/1/2012

Product code 100-132

Run dates R-8 R-9

FD

Cleaning

		100-132	600-941	600-939	600-937	600-938	100-2000	600-200
Batch Date	Run #	TBBHPF PC	TBBHPF Monomer	BTEAC	PTBP	DMAP	Phosgene	25% NaOH
Finished	Batch #	kg	kg	Factor	kg	Factor	lbs	Factor
				#DIV/0!		#DIV/0!		#DIV/0!
				#DIV/0!		#DIV/0!		#DIV/0!
								0
								0
								0
Totals		0	0	#DIV/0!	0.000	#DIV/0!	0.000	#DIV/0!
Averages		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

		600-935	600-943	600-936	600-944	600-801										
Batch Date	Run #	TBBHPF PC	MeCl2	Recycle MeCl2	Heptane	Recycle Heptane	32% HCL	R-8	R-9 / 10	R-PT-33 / PCP	FD	Delays	Total	Batch Rate	Comments	
Finished	Batch #	kg	Lbs	lbs	lbs	Lbs	Lbs	hrs	hrs	hrs	hrs	hrs	hrs	lbs/hr		
														#DIV/0!		
														#DIV/0!		
															Month End Adjustments	
Totals		0	0	0	0	0	0	0	0	0	0	0	0			
Averages		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		

Material used for cleaning this month out of TBBHPF Polycarbonate

NaOH 25% NaOH dry lbs
MeCl2 lbs
HCL lbs

#DIV/0! Production Rate lbs/hr, with down time
#DIV/0! Production Rate lbs/hr, WITH NOT down time

Propargyl Chloroformate Production batch summary

10/1/2012

Product code 600-156

Run dates

Cleaning out

600-156		600-155		600-920		275 lbs/hr target							Comments
Batch Date	Lot # or	Amount	POH		Phosgene		R-1	S+H.	R-3	Total	Down	Batch Rate	
Finished	Batch #	total lbs		Factor	lbs	Factor	hrs	hrs	hrs	Hrs	hrs	lbs/hr	
				#DIV/0!		#DIV/0!						#DIV/0!	
				#DIV/0!		#DIV/0!						#DIV/0!	
				#DIV/0!		#DIV/0!						#DIV/0!	
				#DIV/0!		#DIV/0!						#DIV/0!	
				#DIV/0!		#DIV/0!							Month End adjustments
Totals		0	0	#DIV/0!	0	#DIV/0!	0	0	0	0	0	#DIV/0!	
Averages		#DIV/0!	#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	

Additional material used for transition out ofPCF				#DIV/0!		Production Rate lbs/hr R-1 cycle time only.
NaOH	Dry lbs	25% NAOH		#DIV/0!		Production Rate lbs/Reactor hr With down times
32% HCL	lbs					
MeOH	lbs					
Notes:						

10/1/2012

Cleaning

Code for Raw materials

Material used for cleaning this month out of PNBC

NaOH	Dry lbs	25% NaOH
Methanol	lbs	
HCL	lbs	
Notes:		

#DIV/0!	Monthly production rate base on R-3 cycle time, NO DOWN TIME			
#DIV/0!	Monthly production rate base on R-3 cycle time, WITH DOWN TIME			
#DIV/0!	Monthly production rate base on Total time (downtime), and posted production			
	NORMALIZED to (3) reactors for Charging of time spent on making PCF...			
#DIV/0!	Monthly production rate base on Total time PCF and PNBC.....Only accurate at end of campaign.			

10/1/2012

Code for Raw materials

Date Batch Finished	Batch #	ESPI (wet) total w/solvent and flush	Transfer line flush amount	ESPI %NCO assay	Total impurities Summary	ESPI Dry Basis	ESPA		NBI LBS			Xylenes (FRESH into ST-8)		Xylene to R-5 Total Fresh (with Line flush)	Phosgene		R-4 BATCH Time	R-4 Down time	ESPA addition time	CBC add time	Ave CBC RATE	R-5 Time	Total Batch time	Comments
						100-501	300-500		600 452			600 102			100-2000									
	Lot #	Lbs.	Lbs.	%		kg	kg	Factor		Total	Lbs	Factor	lbs	Lbs	Factor	hrs	hrs	hrs	hrs	lbs/min	hrs	hrs		
						0				183	5.89				1.62					11.3				
						0		0.95		183	0.00				1.40					8.3				
						0		0.96		183	3.01				1.50					9.3				
						0		#DIV/0!		0	#DIV/0!				#DIV/0!					#DIV/0!				
						0		#DIV/0!		0	#DIV/0!				#DIV/0!					#DIV/0!				
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kgs/hr	#DIV/0!	Monthly production rate base on Total time (downtime), and posted production
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kgs/hr	#DIV/0!	Monthly production rate base on R-4 cycle time, NO DOWN TIME
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0.0	0.0
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0.0 Total days.

Days total Accounted for.

10/1/2012

FD

[illegible]

Methanol	lbs	#DIV/0!	lbs/hr	Production rate based on R-8
25% NaOH	dry lbs	#DIV/0!	lbs/hr	Production rate based on R-9 & PT-24
32% HCL	lbs	#DIV/0!	lbs/hr	Production rate based on R-10
		#DIV/0!	lbs/hr	Production rate based on Filter Dryer
		#DIV/0!	lbs/hr	Over-all Rate based on total hrs minus FD hrs

TARGET RATE is to stay about 30 lbs/hr WITH TOTAL DOWNTIME,

VDM00808

Ethyl Chloroformate Production batch summary

10/1/2012

Product code 100 904

Run dates

Cleaning:

Code for Raw materials
None (good product)

600 904

600-920

Batch Date	Lot # and	Total drummed	Heel used	Lot of heel	Actual Yield		Ethanol			Phosgene		Down	Run time	Comments
Finished	Batch #	transferred kg	kg	used	lbs	kg	lbs	kg	Factor	lbs	Factor	Hours	Hours	
					0	0.0		0	#DIV/0!		#DIV/0!			
			0		0	0.0		0	#DIV/0!		#DIV/0!			
														Month End adjustment
Totals		0	0		0	0	0	0	#DIV/0!	0	#DIV/0!	0	0	
Averages		#DIV/0!	0		0	0	#DIV/0!	0		#DIV/0!				

Additional material used for transition out of ethyl CF

NaOH	Dry lbs	_____	#DIV/0!	Production Rate lbs/hr R-1 cycle time only.
MeOH	lbs	_____	#DIV/0!	Production Rate lbs/Reactor hr With down times
32% HCL	lbs	_____		
Notes:				

97% Vilsmeier Production batch summary

10/1/2012

Product code 100 402

Run dates

Heptane distillation

Cleaning

Cleaning

Product codes

GOOD MATERIAL

		100-402		600-410		600-413		600-616		100-2000				35 lbs/hr Target.					Comments
Batch Date	Lot #	97%		Virgin DMF		Distilled DMF		Virgin Heptane		Distilled Heptane		Phosgene		NMR	Titration	Total	Delays	Batch Rate	
Finished		lbs	kgs	lbs	Factor	lbs	Factor	lb	Factor	lbs	Factor	lbs	Factor	Assay	Assay	hrs	hrs	lbs/hr	
		0			#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					#DIV/0!	
		0			#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					#DIV/0!	
		0			#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					#DIV/0!	
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		0			#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					#DIV/0!	
																			Month end adjustments
Totals		0	0	0		0		0		0		0		0	0	0	0	#DIV/0!	
Averages		0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	

Additional material used for transition/cleaning.

Methanol	0 gallons	0	lbs
DMF	gallons	0	lbs

#DIV/0! Production Rate lbs/hr, with down time

#DIV/0! Production Rate lbs/hr, WITH NOT down time

10/1/2012

Date Batch Finished	Run #	PTSI		Rework added		Distilled Time	Comments
		100-600	200-600	100-600	200-600		
	Lot #	lbs	lbs	lbs	lbs	Hours	
Total		0	0	0	0	0	Month end adjustment
Average		#DIV/0!				#DIV/0!	

Additional material used for transition out of PTSI

NaOH	25% NaOH
------	----------

32% HCL

MeOH

Xylene

Saltidin: production sheet

Product code 100-725
Run dates 0 Days

100-725		100-729		100-160		300-901		600-200			600-611	600-623	600-801	
Batch Date	Run #	Saltidin		SBCF		HEPP		25% NaOH			Virgin Toluene	Recycle Toluene	32% HCL	R-9
Finished	Batch #	lbs	kg	lbs	Factor	lbs	Factor	lbs	Dry lbs	Factor	Lbs	lbs	Lbs	hrs
		0			#DIV/0!		#DIV/0!		0	#DIV/0!				
		0			#DIV/0!		#DIV/0!		0	#DIV/0!				
		0			#DIV/0!		#DIV/0!		0	#DIV/0!				
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Totals		0	0	0	#DIV/0!	0	#DIV/0!	0	0	#DIV/0!	0	0	0	0
Averages		0	#DIV/0!	#DIV/0!		#DIV/0!		#DIV/0!	0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Material used for cleaning this month out of Saltidin

NaOH	Dry lbs 25% NAOH	#DIV/0! Pr
Methanol	lbs	#DIV/0! Pr
HCL	lbs	

Notes:

Sec-Butyl Chloroformate Production batch summary

10/1/2012

Product code 100 160

R-1 Run dates

R-3 Run dates

R-1
Cleaning

R-3

		None (good product)		100-160		600-160		600-920		150 lbs/hr target						
Batch Date	Lot # and	Total drummed	Heel used	Lot of heel	Actual Yield	SBOH		Phosgene		R-1	S+H.	R-3	Total	Down	Batch Rate	Comments
Finished	Batch #	transferred lbs	lbs	used	lbs	lbs	Factor	lbs	Factor	hrs	hrs	hrs	Hrs	hrs	lbs/hr	
			0		0		#DIV/0!		#DIV/0!						#DIV/0!	
			0		0		#DIV/0!		#DIV/0!						#DIV/0!	
			0		0		#DIV/0!		#DIV/0!						#DIV/0!	
																Month End adjustment

10/1/2012

100-902

Material used for cleaning this month out of 4-TFMP1	#DIV/0!			Production Rate lbs/hr R-4 cycle time only.
	#DIV/0!			Production Rate lbs/Reactor hr With down times

2,4-DCBHA: production sheet.

10/1/2012

Product code

100-103

Run dates

Cleaning

		100-103	600-929	600-930		600-111	600-113	600-813	600-919	600-931	600-933	600-200		600-801	600-932	600-934				
Batch Date	Run #	2,4-DCBHA		HAFB		2,4-DCBCL		Virgin IPOH	Recycle IPOH	Virgin MeOH	Recycle MeOH	EDTA	KCO3	25% NaOH		32% HCL	Bleach	Thio	Batch time	Comments
Finished	Batch #	lbs	kg	kg	Factor	kg	Factor	Lbs	lbs	Lbs	lbs	lbs	lbs	lbs	Dry lbs	Lbs	lbs	lbs	Hours	
			0.0	0	#DIV/0!	0	#DIV/0!	0	0			0	0	0	0	0	0	0		
			0.0	0	#DIV/0!	0	#DIV/0!	0	0			0	0	0	0	0	0	0		
			0.0																	Reworked charged/ MeOH recovered
Totals		0	0.0	0	#DIV/0!	0	#DIV/0!	0	0	0	0	0	0	0	0	0	0	0	0.0	
Averages		#DIV/0!	0	0		0		0	0	#DIV/0!	#DIV/0!	0	0	0	0	0	0	0	#DIV/0!	

Material used for cleaning this month out of 2,4-DCBHA

NaOH 0 25% NAOH

Methanol

Methanol

IPOH

Cleaning

Notes:

Avenal N-374 Production batch summary

10/1/2012

Product code 100 -101

R-1 Run dates

R-2 Run dates

R-3 Run dates

		100-101	600-217	600-107		600-900		100 lbs/hr rate						
Batch Date	Lot #	Avenal	Macol 374	Aliquat		Phosgene		R-1	R-2	R-3	Delays	Total time	Batch Rate	Comments
Finished		lbs	lbs	Factor	lbs	Factor	lbs	hours	hours	hours	hours	Hours	lbs/hr	
				#DIV/0!		#DIV/0!							#DIV/0!	
				#DIV/0!		#DIV/0!							#DIV/0!	
														Month End Adjustments
Totals		0	0		0		0	0	0	0	0	0	#DIV/0!	
Averages		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!					#DIV/0!	#DIV/0!	

Additional material used for transition.

Methanol lbs
25% NaOH dry lbs

Target Production Rate for campaign, 100 lbs/hr.

#DIV/0! Rate with DOWNTIME/DELAYS.

#DIV/0! Rate with OUT down time.

VERY GOOD PRODUCT, Strong Through-put set-up like Above runnig in D-1 was VERY Good!

10/1/2012

CHDI production Batch summary

10/1/2012

Product code 100-122

Run dates 4/25/2011 6:00

		100-122	300-110	300-110	600-440	300-111		600-920													
Batch Date	Run #	CHDI	CHDA		MCB		DXE		Phosgene		R-9 times (hrs)				Distill	Total	Comments				
Finished	Batch #	lbs	lbs	Factor	lbs	Factor	lbs	Factor	lbs	Factor	Simo	Heat up	Hold	Total	hrs	hrs					
				#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!											
				#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!											
Totals		0	0		0		0		0					0							
Averages		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!				#DIV/0!							

Material used for cleaning this month out of CHDI into PTSI/Carbaester

MCB lbs
Methanol lbs
32% HCL lbs
50% NaOH dry lbs

Phenyl Chloroformate Production batch summary

10/1/2012

Product code 100-150

Run dates

Code for Raw materials

600-150

100-2000

600-817

Batch Date	Run #	PHCF	Package	PHOH		Phosgene		TMAC		Residue		R-1 Time	R-3 Time	Total Time	PCV	Comments
Finished		lbs	Drum/ISO	lbs	Factor	lbs	Factor	lbs	Factor	lbs	Factor	Hours	hours	Hours	psig	
					#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					
					#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					
					#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					
					#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					
					#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					
					#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!					Month End Adjustment
		0		0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!					
Averages		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!		#DIV/0!						

Material used for cleaning

NaOH Dry lbs
Methanol lbs
Toluene lbs

Notes:

0

Product code	100-731
Run dates	

0 Days

600-920

Material used for cleaning this month out of ADI

Production report for Acticryl Chloride 1039

10/1/2012

Product code 100-108

Run dates

Code for Raw materials

		100-108	600-109		600-452		600-108		600-110		600-111		600-113			
Batch Date	Run #	Acticryl	HEA		NBI		HQMME		BHT		ISPOH		Tin (II)		Time	Comments
Finished	Batch #	lbs	lbs	Factor	lbs	Factor	lbs	Factor	lbs	Factor	lbs	Factor	lbs	Factor	Hours	
Totals	0	0	0		0		0		0		0		0		0	
Averages		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	

Material used for cleaning for Acticryl

NAOH 0 lbs

Methanol 0 lbs

#DIV/0! Lbs/hr

Notes:

600-108	4-Methoxyphenol HQMME - Acticryl
600-109	2-Hydroxyethylacrylate (HEA) - Acticryl
600-110	Butylated Hydroxytoluene (BHT) - Acticryl
600-111	Isopropyl Alcohol -Acticryl
600-113	Tin Octanoate (II) -Acticryl

Avenal 1525 Production batch summary

10/1/2012

Product code 100 100
Run dates

Product codes GOOD MATERIAL
 100-100 600-216 600-107

Batch Date	Lot # or	Avenal		Macol 25-15		Aliquat		Phosgene		Water	Run time	Comments
Finished	Batch #	total lbs	Total kgs.	lbs	Factor	lbs	Factor	lbs	Factor	lbs	Hours	
					#DIV/0!		#DIV/0!		#DIV/0!			
					#DIV/0!		#DIV/0!		#DIV/0!			
					#DIV/0!		#DIV/0!		#DIV/0!			
												Month End adjustment
Totals		0	0	0	#DIV/0!	0	#DIV/0!	0	#DIV/0!	0	0	
Averages		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	

Additional material used for transition.

Methanol	0 gallons	0 lbs
DMF	0 gallons	0 lbs
Acetone	0 gallons	0 lbs

Lauroyl Chloride Production batch summary

10/1/2012

Product code 100 -900

Run dates to

Product codes

		100-900		600-903		600-410		600-900			
Batch Date	Lot # or	Lauroyl Cl	Lauroyl Cl	Lauric Acid	Lauric Acid	DMF	DMF	Phosgene	Phosgene	Run time	Comments
Finished	Batch #	total lbs	Total kgs.	lbs	Factor	lbs	Factor	lbs	Factor	Hours	
					#DIV/0!		#DIV/0!		#DIV/0!		
Totals	0	0	0	0		0		0		0	
Averages		#DIV/0!	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	

Additional material used for transition.

Methanol gallons 0 lbs

Product code 100 157

Run dates 1/21/2005 to 1/29/2005

8 Days

Code for Raw materials

100-157

600 158

600 452

600 104

600 105

Material used for cleaning this month out of PNBC

total Raw materials added

POH	0 lbs
Acetone	0 lbs
Methanol	0 lbs
Toluene	0 lbs

0
0 difference

Notes:

Product code	100 112
Run Dates	2/10/2006

Product code	100 112
Run Dates	2/10/2006

Code for Raw materials
600-112

600-611

600-430

600-920

Material used for cleaning this month

Methanol	lbs		
Toluene	lbs	New material, not recycled!	Caustic used
	0 lbs		
	0 lbs		

Physical inventory reconciliation - As Of December 31, 2009

VDM00826

Material	Code	Unit	Perpetual inventory	Physical inventory first count	Variance (%)	Physical inventory second count	Variance (%)	Adjustment to make	Reason / comments	Replacement cost at the end of November 30, 2009	Adjustment \$ value, based on product replacement cost at the end of November 30, 2009	Total value of perpetual inventory
PHOSGENE - 7.5# CYLINDER	100 0007.5	LB	37.50	37.50	0.0%		-100.0%	0.00		0.5774	\$0.00	\$21.65
PHOSGENE - 95# IN 120# CYL-R&D	100 0095	LB	0.00	0.00				0.00		0.5774	\$0.00	\$0.00
PHOSGENE - 95# CYL W/DIP TUBE	100 0096	LB	950.00	950.00	0.0%			0.00		0.5774	\$0.00	\$548.53
PHOSGENE - 95# CYLINDER	100 0097	LB	1,045.00	1,045.00	0.0%			0.00		0.5774	\$0.00	\$603.38
AVANEL N 925	100 099	LB	1,597.00	1,597.00	0.0%			0.00		2.0634	\$0.00	\$3,295.25
AVANEL 1525 - 90%	100 100	LB	0.00	0.00				0.00		1.4301	\$0.00	\$0.00
AVANEL N - 374	100 101	LB	2,000.00	2,000.00	0.0%			0.00		4.1559	\$0.00	\$8,311.80
ACTICRYL CL-1039	100 108	LB	440.52	440.92	0.1%			0.40		4.8124	\$1.92	\$2,119.96
N - CHLOROCARBONYL IMINODIACETAT	100 110	LB	0.00	0.00				0.00		14.5484	\$0.00	\$0.00
2-METHYLSULFONYLETHYL CHLOR	100 116	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
BENZYL CARBAZATE IN TOLUENE	100 117	KG	0.00	0.00				0.00		19.8441	\$0.00	\$0.00
BENZYL CARBAZATE 40%	100 118	KG	0.00	0.00				0.00		16.1999	\$0.00	\$0.00
BENZYL CARBAZATE 99%	100 119	KG	600.00	600.00	0.0%			0.00		16.1999	\$0.00	\$9,719.94
BFNZYL CHLOROFORMATE	100 120	LB	100,902.00	100,902.00	0.0%	100,942.00	0.0%	(40.00)	TAGS WERE ADDED WRONG BY 40 POUNDS	1.5196	(\$60.78)	\$153,330.68
CHDI	100 122	LB	0.00	0.00				0.00		111.5500	\$0.00	\$0.00
HEGCL (15%) IN ODCB	100 124	LB	0.00	0.00				0.00		6.3783	\$0.00	\$0.00
HEXAETHYL GUANADINIUM CHLORIDE	100 128	LB	53,940.16	53,940.00	0.0%			(0.16)		6.3783	(\$1.02)	\$344,046.52
ISOBUTYL CHLOROFORMATE	100 130	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
ISOPROPYL CHLOROFORMATE	100 145	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
PHENYL CLOROFORMATE	100 150	LB	42,064.47	42,603.89	1.3%			539.42		2.1035	\$1,134.67	\$88,482.61
PNBC	100 156	LB	68,143.00	69,382.00	1.8%			1,239.00		3.3163	\$4,108.90	\$225,982.63
SEC BUTYL	100 160	LB	0.00	0.00				0.00		1.6700	\$0.00	\$0.00
PHOSGENE - 2000# (TON) TANKS	100 2000	LB	85,082.00	85,082.00	0.0%			0.00		0.5774	\$0.00	\$49,126.35
ETHYL CENTRALITE	100 300	LB	0.00	0.00				0.00		4.2000	\$0.00	\$0.00
HEGCL (20%) IN ODCB	100 301	LB	903.00	903.00	0.0%			0.00		8.7524	\$0.00	\$7,903.42
AMIDE CHLORIDE	100 400	KG	1,010.00	1,000.00	-1.0%			(10.00)		7.8558	(\$78.56)	\$7,934.36
VILSMEIER REAGENT - 95%	100 401	KG	15,350.00	15,350.00	0.0%			0.00		7.8558	\$0.00	\$120,586.53
VILSMEIER REAGENT - 97%	100 402	KG	250.00	250.00	0.0%			0.00		13.2275	\$0.00	\$3,306.88
MPS	100 500	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
PTSI	100 600	LB	130,908.06	131,634.00	0.6%			725.94		2.6067	\$1,892.31	\$341,238.04
CBRAESTER	100 711	LB	3,785.90	3,786.36	0.0%			0.46		14.0841	\$6.48	\$53,320.99
DDI (DIMERYL DIISOCYNATE) CR	100 721	LB	0.00	0.00				0.00		2.5022	\$0.00	\$0.00
DBAD (DIBENZYL AZODICARBOXYL)	100 725	KG	18,050.00	18,050.00	0.0%			0.00		22.2846	\$0.00	\$402,237.03

Material	Code	Unit	Perpetual inventory	Physical inventory first count	Variance (%)	Physical inventory second count	Variance (%)	Adjustment to make	Reason / comments	Replacement cost at the end of November 30, 2009	Adjustment \$ value, based on product replacement cost at the end of November 30, 2009	Total value of perpetual inventory
MBSI - 30% SOL IN XYLENES	100 728	KG	0.00	0.00				0.00		10.6786	\$0.00	\$0.00
ICARIDIN	100 729	KG	0.00	0.00				0.00		19.0499	\$0.00	\$0.00
2-CMBSI - 40% SOL IN XYLENES	100 730	KG	2,500.00	2,500.00	0.0%			0.00		5.8980	\$0.00	\$14,745.00
LAUROYL CHLORIDE	100 900	LB	8,550.00	8,550.00	0.0%			0.00		3.8566	\$0.00	\$32,973.93
INERPAN POLYMER	101 200	GM	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
MPS	101 300	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
N-HEPTYL CHLOROFORMATE	101 400	KG	0.00	0.00				0.00		12.7120	\$0.00	\$0.00
POLY (DTE CARBONATE)-PDTEC	101 500	GM	0.00	0.00				0.00		2.4823	\$0.00	\$0.00
MCF - d3	101 600	KG	0.00	0.00				0.00		2.4823	\$0.00	\$0.00
DEUTERIUM CHLORIDE SOLUTION	101 601	KG	0.00	0.00				0.00		2.4823	\$0.00	\$0.00
BENZYL CHLOROF - BELGIUM WAREHOUSE	102 601	KG	11,071.50	11,071.50	0.0%			0.00	PHYSICAL COUNT AVAILABLE ON 1/5/10	3.3501	\$0.00	\$37,090.63
PTSI - 20 KG PAILS - BELGIUM WAREHOUSE	102 601	KG	9,300.00	9,300.00	0.0%			0.00	PHYSICAL COUNT AVAILABLE ON 1/5/10	5.7467	\$0.00	\$53,444.31
PTSI - 225 KG DRUMS - BELGIUM WAREHOUSE	102 602	KG	36,900.00	36,900.00	0.0%			0.00	PHYSICAL COUNT AVAILABLE ON 1/5/10	5.7467	\$0.00	\$212,053.23
H-LYSINE (BOC) NCA	103 050	GM	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
Z-D-VALINE NCA	103 100	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
DBAD/OUT-OF-SPEC	150 725	KG	0.00	0.00				0.00		15.6000	\$0.00	\$0.00
1 - PUCHASED	200 600	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
2 CMBSA (BAYER)/NON-OWNED	300 101	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
2 CMBSA (DUPONT)/NON-OWNED	300 102	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
CHDA / NON-OWNED	300 110	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
DXE (DIXYLYLETHANE)/NON-OWNED	300 111	LB	1,797.00	1,797.00	0.0%			0.00		0.0000	\$0.00	\$0.00
DDA (DIMER DIAMINE) FOR DDI-CR/NON-OWNED	300 112	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
BENZYL CARBAZATE 99%/NON-OWNED	300 119	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
MACOL 25-15/NON-OWNED	300 216	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
MACOL 25-9/NON-OWNED	300 217	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
MACOL EH-3 / NON-OWNED	300 218	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
HYDRAZINE HYDRATE/ NON-OWNED	300 429	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
TOLUENE (DUPONT)/NON-OWNED	300 611	LB	113,555.00	113,000.00	-0.5%			(555.00)		0.0000	\$0.00	\$0.00
CARBAESTER/NON-OWNED	300 711	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
ICARIDIN/NON-OWNED	300 729	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
2-CMBSI - 40% IN XYLENE/NON-OWNED	300 730	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
4-TRIFLUOROMETHOXYANILINE/NON-OWNED	300 902	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
P-TNZOIC ACID (MSB)/NON-OWNED MATERIAL	300 921	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
METHANOL-D4/NON-OWNED	301 001	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
DETERIUM OXIDE/NON-OWNED	301 002	KG	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
HQMME - OBSOLETE MATERIAL	400 108	LB	385.81	385.00	-0.2%			(0.81)		0.0000	\$0.00	\$0.00

Material	Code	Unit	Perpetual inventory	Physical inventory first count	Variance (%)	Physical inventory second count	Variance (%)	Adjustment to make	Reason / comments	Replacement cost at the end of November 30, 2009	Adjustment \$ value, based on product replacement cost at the end of November 30, 2009	Total value of perpetual inventory
EA - OBSOLETE MATERIAL	400 109	LB	8,500.00	8,500.00	0.0%			0.00		0.0000	\$0.00	\$0.00
DIETHYL IMINOACETATE - OBSOLETE MATERIAL	400 112	LB	881.84	881.84	0.0%			0.00		0.0000	\$0.00	\$0.00
OCTANOATE - TIN (II) - OBSOLETE MATERIAL	400 113	LB	416.67	416.67	0.0%			0.00		0.0000	\$0.00	\$0.00
BENZYL TRIBUTYL AMMONIUM CHLOR-OBSOLETE	400 121	LB	1,984.14	1,984.14	0.0%			0.00		0.0000	\$0.00	\$0.00
LAUROYL CHLORIDE - HEEL - OBSOLETE	400 153	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
THF - OBSOLETE MATERIAL	400 162	LB	400.00	400.00	0.0%			0.00		0.0000	\$0.00	\$0.00
HEGCL (20%) IN ODCB - OBSOLETE MATERIAL	400 301	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
ETHYL ACETATE - OBSOLETE MATERIAL	400 412	LB	1,200.00	1,200.00	0.0%			0.00		0.0000	\$0.00	\$0.00
LAURIC ACID - OBSOLETE MATERIAL	400 903	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
CHLORINE - 90 LB CYLINER - P/L	500 001	LB	0.00	0.00				0.00		2.2849	\$0.00	\$0.00
METHYL STEARATE - P/L	500 002	LB	345.00	415.50	20.4%			70.50		2.9276	\$206.40	\$1,010.02
PLASCHEK 775 - P/L	500 003	LB	30.00	27.00	-10.0%			(3.00)		0.0000	\$0.00	\$0.00
CARBON MONOXIDE	600 100	LB	30,445.80	30,445.80	0.0%			0.00		0.8500	\$0.00	\$25,878.93
XYLENE	600 102	LB	0.00	399.00				399.00	ONE DRUM OF FRESH MATERIAL FOUND IN WAREHOUSE	0.6718	\$268.05	\$0.00
XYLENE - 2CMBSI	600 103	LB	45,957.00	45,957.00	0.0%			0.00		0.0000	\$0.00	\$0.00
METHYLAMINE	600 104	LB	0.00	0.00				0.00		1.4678	\$0.00	\$0.00
DIBUTYLTIN DILAURATE 94%	600 105	LB	0.00	0.00				0.00		11.6400	\$0.00	\$0.00
ALIUQAT	600 107	LB	1,116.00	1,116.00	0.0%			0.00		6.4720	\$0.00	\$7,222.75
HQMME - PLANT	600 108	LB	0.00	0.00				0.00		9.2477	\$0.00	\$0.00
2-HYDROXYETHYLACRYLATE (HEA)	600 109	LB	0.00	0.00				0.00		2.5117	\$0.00	\$0.00
BHT	600 110	LB	8.82	8.80	-0.2%			(0.02)		25.5126	(\$0.51)	\$225.02
ISOPROPYL ALCOHOL - ACS GRADE	600 111	LB	0.00	0.00				0.00		0.4269	\$0.00	\$0.00
DIETHYL IMINOACETATE	600 112	LB	0.00	0.00				0.00		6.2778	\$0.00	\$0.00
OCTANOATE - TIN (II)	600 113	LB	0.00	0.00				0.00		5.6035	\$0.00	\$0.00
METHYL STEARATE - PLANT	600 114	LB	0.00	0.00				0.00		5.6035	\$0.00	\$0.00
HALLCOMID M-8-10	600 115	LB	0.00	0.00				0.00		5.6035	\$0.00	\$0.00
EPOXIDIZED SOYBEAN OIL	600 116	LB	0.00	0.00				0.00		5.6035	\$0.00	\$0.00
NEODOL 25-9 (FOR AVENAL N925)	600 118	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
BENZYL ALCOHOL	600 120	LB	(0.26)	0.00	-100.0%			0.26		0.9065	\$0.24	(\$0.24)
BENZYL TRIBUTYL AMMONIUM CHLOR	600 121	LB	0.00	0.00				0.00		10.0107	\$0.00	\$0.00
CHLORINE	600 125	LB	208,592.00	208,592.00	0.0%			0.00		0.1749	\$0.00	\$36,482.74
CHORINE-ONE TON CYCLINDERS	600 126	LB	2,531.00	2,531.00	0.0%			0.00		0.3522	\$0.00	\$891.42
CHLORINE-150 LB CYLINDERS	600 127	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
TEU - DISTILLED	600 128	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
TEU - CRUDE	600 129	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00

Material	Code	Unit	Perpetual inventory	Physical inventory first count	Variance (%)	Physical inventory second count	Variance (%)	Adjustment to make	Reason / comments	Replacement cost at the end of November 30, 2009	Adjustment \$ value, based on product replacement cost at the end of November 30, 2009	Total value of perpetual inventory
ANOL	600 150	LB	0.00	0.00				0.00		0.8250	\$0.00	\$0.00
2 - CMBSI - HEEL	600 151	KGS	0.00	0.00				0.00		5.3393	\$0.00	\$0.00
PHENYL CHLOROFORMATE - HEEL	600 152	LB	3,985.92	3,994.00	0.2%			8.08		1.4666	\$11.85	\$5,845.75
LAUROYL CHLOROFORMATE - HEEL	600 153	LB	0.00	0.00				0.00		2.3160	\$0.00	\$0.00
PROPARGYL CHLOROFORMATE	600 156	LB	0.00	0.00				0.00		2.0594	\$0.00	\$0.00
PROPARGYL ALCOHOL - (NBI PROC)	600 158	LB	0.00	0.00				0.00		2.3746	\$0.00	\$0.00
SEC BUTYL ALCOHOL	600 160	LB	12,909.00	12,909.00	0.0%			0.00		0.9694	\$0.00	\$12,513.98
SODIUM HYDROXIDE 25%	600 200	LB	31,521.00	27,916.00	-11.4%			(3,605.00)	USED FOR DBAD PRODUCTION: NOT	0.1600	(\$576.80)	\$5,043.36
HEXANE - PLANT	600 215	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
MACOL 25-15	600 216	LB	0.00	0.00				0.00		1.5000	\$0.00	\$0.00
MACOL 374	600 217	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
MACOL EH-3	600 218	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
SULFURIC ACID (CONCENTRATED)	600 221	LB	9,422.00	9,422.00	0.0%			0.00		0.3326	\$0.00	\$3,133.76
1,2-DICHLOROBENZENE – NDI	600 300	LB	0.00	0.00				0.00		0.9533	\$0.00	\$0.00
DIETHYLAMINE (DEA)	600 400	LB	1,545.00	1,543.25	-0.1%			(1.75)		1.1400	(\$2.00)	\$1,761.30
DIMETHYL FORMAMIDE	600 410	LB	7,286.10	7,286.00	0.0%			(0.10)		0.6924	(\$0.07)	\$5,044.90
ANOL	600 411	LB	0.00	0.00				0.00		0.3872	\$0.00	\$0.00
ETHYL ACETATE	600 412	LB	0.00	0.00				0.00		0.8125	\$0.00	\$0.00
DIMETHYL FORMAMIDE- DISTILLED	600 413	LB	5,700.00	5,675.00	-0.4%			(25.00)		0.0000	\$0.00	\$0.00
n-BUTYL AMINE	600 420	LB	548.00	548.00	0.0%			0.00		1.3000	\$0.00	\$712.40
HYDRAZINE HYDRATE 100%	600 428	LB	213.00	215.00	0.9%			2.00		2.2818	\$4.56	\$486.02
HYDROGEN CHLORIDE	600 430	LB	0.00	0.00				0.00		2.6679	\$0.00	\$0.00
MONOCHLOROBENZENE	600 440	LB	15,209.00	15,209.00	0.0%			0.00		0.7000	\$0.00	\$10,646.30
MONOCHLOROBENZENE – PTSI	600 441	LB	42,200.00	42,200.00	0.0%			0.00		0.0000	\$0.00	\$0.00
n-BUTYL ISOCYANATE - PURCHASED	600 452	LB	15,725.96	15,110.00	-3.9%			(615.96)		3.4883	(\$2,148.65)	\$54,856.87
METHYL CHLOROFORMATE	600 512	LB	2,757.00	2,335.32	-15.3%			(421.68)		1.1567	(\$487.76)	\$3,189.02
PARA-TOLUENE SULFONAMIDE	600 610	LB	169,448.50	176,754.00	4.3%	169,260.00	-0.1%	188.50	TWO PALLETS OF MATERIAL DOUBLE COUNTED IN E-1	1.0240	\$193.02	\$173,515.26
TOLUENE	600 611	LB	642.00	642.00	0.0%			0.00		0.5826	\$0.00	\$374.03
TOLUENE - DISTILLED	600 612	LB	34,033.00	34,257.00	0.7%			224.00		0.0000	\$0.00	\$0.00
HEPTANE-DISTILLED	600 613	LB	79,306.00	79,306.00	0.0%			0.00		0.0000	\$0.00	\$0.00
DEA RECYCLE – HEGCL	600 614	LB	24,256.70	24,256.00	0.0%			(0.70)		0.0000	\$0.00	\$0.00
HEPTANE	600 616	LB	0.00	0.00				0.00		0.5759	\$0.00	\$0.00
ENE - DISTILLED	600 617	LB	17,638.00	15,788.00	-10.5%			(1,850.00)		0.0000	\$0.00	\$0.00
NDA (1,5-NAPHTALENE-DI-AMINE)	600 618	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
SODIUM BISULFITE SOLUTION	600 619	LB	1,392.00	1,388.00	-0.3%			(4.00)		0.3088	(\$1.24)	\$429.85
POTASSIUM HYDROXIDE 45%	600 712	LB	0.00	0.00				0.00		0.2407	\$0.00	\$0.00

Material	Code	Unit	Perpetual inventory	Physical inventory first count	Variance (%)	Physical inventory second count	Variance (%)	Adjustment to make	Reason / comments	Replacement cost at the end of November 30, 2009	Adjustment \$ value, based on product replacement cost at the end of November 30, 2009	Total value of perpetual inventory
POTASSIUM CARBONATE	600 713	LB	0.00	0.00				0.00		0.2407	\$0.00	\$0.00
HYDROCHLORIC ACID 22 DEGREE BE - PURCHASED	600 800	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
HYDROCHLORIC ACID 20 DEGREE - PURCHASED	600 801	LB	213.00	213.00	0.0%			0.00		0.2008	\$0.00	\$42.77
HYDROXYLAMINE HYDROCHLORIDE	600 803	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
SODIUM BICARBONATE-NOT INVENTORY	600 811	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
THIONYL CHLORIDE	600 812	LB	811.00	808.40	-0.3%			(2.60)		0.9423	(\$2.45)	\$764.21
METHANOL	600 813	LB	4,508.00	4,508.00	0.0%			0.00		0.2273	\$0.00	\$1,024.67
L-PHENYL ALANINE	600 814	LB	165.30	165.35	0.0%			0.04		5.8741	\$0.26	\$970.99
TETRA METHYL AMMON. CHLORIDE	600 817	LB	990.00	990.00	0.0%			0.00		2.6814	\$0.00	\$2,654.59
SODIUM ACETATE, ANHYDROUS	600 818	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
LIQUID CAUSTIC SODA 50%	600 900	TON	9.63	9.63	-0.1%			(0.01)		260.0000	(\$2.45)	\$2,502.50
HEPP	600 901	LB	0.00	0.00				0.00		1,126.1107	\$0.00	\$0.00
LAURIC ACID	600 903	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
NITROGEN	600 910	CCF	6,623.00	6,623.00	0.0%			0.00		0.3837	\$0.00	\$2,541.25
CHLOROFORM	600 917	LB	5,400.00	5,400.00	0.0%			0.00		1.7635	\$0.00	\$9,522.90
35% HYDROGEN PEROXIDE	600 918	LB	504.00	504.00	0.0%			0.00		0.7031	\$0.00	\$354.36
METHANOL - RECYCLE	600 919	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
BENZOIC ACID (MSB)	600 921	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
SODIUM CARBONATE ACS GRADE	600 922	LB	0.00	0.00				0.00		1.1917	\$0.00	\$0.00
SODIUM CARBONATE TECH GRADE	600 923	LB	750.00	750.00	0.0%			0.00		0.3786	\$0.00	\$283.95
MCB - DISTILLED	600 924	LB	33,585.00	40,000.00	19.1%			6,415.00		0.0000	\$0.00	\$0.00
QDCB - DISTILLED	600 925	LB	0.00	0.00				0.00		0.0000	\$0.00	\$0.00
CHLOROFORM - DISTILLED	600 927	LB	6,200.00	0.00	-100.0%			(6,200.00)		0.0000	\$0.00	\$0.00
MONOCHLOROBENZENE - OFF SITE	602 440	LB	0.00	0.00				0.00		0.8000	\$0.00	\$0.00
STEEL 1 GAL GRAY 1A1/X1.5/250	800 100	EA	243.00	234.00	-3.7%			(9.00)		13.5280	(\$121.75)	\$3,287.30
BLACK HDPE DRUM 1H1/X1.9/320	800 104	EA	24.00	22.00	-8.3%			(2.00)		22.6948	(\$45.39)	\$544.68
STEEL 1 GAL GREEN 1A1/X1.5/250	800 105	EA	171.00	146.00	-14.6%			(25.00)		11.8069	(\$295.17)	\$2,018.98
STEEL 5 GAL GRAY 1A1/Y1.8/300	800 202	EA	318.00	262.00	-17.6%			(56.00)		5.8338	(\$326.69)	\$1,855.15
STEEL 5 GAL WHITE 1A1/Y1.6/280	800 205	EA	0.00	0.00				0.00		4.7178	\$0.00	\$0.00
STEEL 5 GAL WHITE 1A1/Y1.7/280	800 206	EA	2,221.00	2,625.00	18.2%			404.00		6.0677	\$2,451.35	\$13,476.36
POL/STL 5 GAL BLWH UN1A2/X50/S	800 210	EA	39.00	32.00	-17.9%			(7.00)		34.6093	(\$242.27)	\$1,349.76
POLY 5 GAL RED PAIL-FDA COMPLI	800 320	EA	0.00	0.00				0.00		6.2600	\$0.00	\$0.00
POLY 5 GAL RED COVERS-FDA COMP	800 321	EA	0.00	0.00				0.00		2.2400	\$0.00	\$0.00
STEEL OVP 20GAL BLRED 1A2/X175/S	800 400	EA	23.00	23.00	0.0%			0.00		26.6255	\$0.00	\$612.39
FIBRE 21.5GAL NAT 1G/Y60/S	800 500	EA	854.00	853.00	-0.1%			(1.00)		14.5322	(\$14.53)	\$12,410.50
STEEL 35 GAL BL/WH 1A2/Y200	800 550	EA	0.00	0.00				0.00		21.9900	\$0.00	\$0.00

Material	Code	Unit	Perpetual inventory	Physical inventory first count	Variance (%)	Physical inventory second count	Variance (%)	Adjustment to make	Reason / comments	Replacement cost at the end of November 30, 2009	Adjustment \$ value, based on product replacement cost at the end of November 30, 2009	Total value of perpetual inventory
RE 38.5 GAL 1G/X142/S	800 551	EA	0.00	0.00				0.00		15.1519	\$0.00	\$0.00
35 GAL FIBRE DRUMS	800 552	EA	0.00	4.00				4.00		12.5447	\$50.18	\$0.00
24 GAL FIBRE DRUM flr13295	800 553	EA	0.00	0.00				0.00		13.3292	\$0.00	\$0.00
STEEL 55GAL BLRED 1A1/Y1.8/300	800 600	EA	0.00	0.00				0.00		27.0000	\$0.00	\$0.00
55 GAL COMPOSITE-6HA1/Y1.8/100	800 602	EA	0.00	0.00				0.00		91.6291	\$0.00	\$0.00
STEEL 55GAL BL/WH 1A1/Y1.8/300	800 605	EA	452.00	408.00	-9.7%			(44.00)		30.8636	(\$1,358.00)	\$13,950.35
POLY 55GAL BLUE 1H1/X1.5/250	800 610	EA	0.00	0.00				0.00		18.2485	\$0.00	\$0.00
POLY 55GAL BLUE 1H1/Y1.9/100	800 611	EA	0.00	0.00				0.00		18.2485	\$0.00	\$0.00
POLY 55 GAL-BLUE 1H1/X1.5/250	800 614	EA	0.00	0.00				0.00		34.8658	\$0.00	\$0.00
POLY 55GAL BLACK 1H1/X1.5/250	800 616	EA	706.00	371.00	-47.5%			(335.00)		28.4677	(\$9,536.68)	\$20,098.20
POL/STL 55GAL 6HA1/X1.5/250	800 618	EA	45.00	114.00	153.3%			69.00		100.6298	\$6,943.46	\$4,528.34
POL/STL 55G BLWH 6HA1/Y1.5/250	800 620	EA	0.00	0.00				0.00		87.8470	\$0.00	\$0.00
FIBRE 61GAL NAT 1G/Y144/S	800 700	EA	0.00	0.00				0.00		23.9905	\$0.00	\$0.00
FIBRE 31 GAL UN 1G/Y60/S	800 701	EA	0.00	0.00				0.00		3.3430	\$0.00	\$0.00
COMPOSITE DRUM - X1.9/300 PHCF	800 850	EA	0.00	0.00				0.00		3.3430	\$0.00	\$0.00
STEEL 55GAL BLK/WHT POLYLINE 6HA1/Y1.8/150	800 992	EA	26.00	26.00	0.0%			0.00		27.0000	\$0.00	\$702.00
XL PLASTIC UN1H1/Y1.8/100	800 993	EA	5.00	5.00	0.0%			0.00		17.3800	\$0.00	\$86.90
275 GAL INTERMEDIATE BULK CONTAINER	800 995	EA	0.00	0.00				0.00		27.0000	\$0.00	\$0.00
TOTE(S) SX275 HDPE NATURAL/ STE	800 997	EA	14.00	14.00	0.0%			0.00		278.5576	\$0.00	\$3,899.81
TOTE(S)	800 998	EA	18.00	13.00	-27.8%			(5.00)		142.5281	(\$712.64)	\$2,565.51
20 KGS PAILS BDP WAREHOUSE	802 601	EA	465.00	465.00	0.0%			0.00	PHYSICAL COUNT AVAILABLE ON 1/5/10	6.1896	\$0.00	\$2,878.16
225 KGS PAILS BDP WAREHOUSE	802 602	EA	163.00	163.00	0.0%			0.00	PHYSICAL COUNT AVAILABLE ON 1/5/10	30.8635	\$0.00	\$5,030.75
POLY 55 GAL BLACK 1H1/X1.5/250	802 616	EA	61.00	61.00	0.0%			0.00	PHYSICAL COUNT AVAILABLE ON 1/5/10	28.5323	\$0.00	\$1,740.47
HCL ACID-NOT INVENTORY	900 390	LB	25,000.00	25,000.00	0.0%			0.00		0.0000	\$0.00	\$0.00
ADJUSTMENT FOR ROUNDING IN PROFIT PLUS			0.00									(\$0.07)
Variance in units (includes lbs, kg and units for drums)			0.00					(3,530.18)				
Variance in Dollars based on the November product replacement cost			0.00								\$1,258.23	\$2,633,384.81
			1,579,871.04	1,583,497.86							0.0478%	
									DOLLAR AMOUNT OF ADJUSTMENT FOR DRUMS ONLY	(\$3,233.14)		

In process summary sheet for the month end

2-Mar

Vessel	Raw material	code	Amount	Unit	comment
BCF				lbs	
R-1	BZOH	600-128	4558		
	Phosgene	600-920	2077		
R-2					
HEGCL					
R-3					
			0		
			0		
			0		
			0		
2-CMBSI				lbs	
R-4	2-CMBSA				
	Phosgene	600-920			
R-5	2-CMBSA				
	Phosgene	600-920			
ST-8	Xylene				
R-6	Xylene				

Benzyl Carbazate				lbs	
R-8	Dupont Toluene				
	Hydrazine	600-428			
	BCF	600-119/100-120			
R-9	Dupont Toluene		0		
	Hydrazine	600-428	0		
	BCF	600-119/100-120	0		
R-10	Dupont Toluene				
	Hydrazine	600-428			
	BCF	600-119/100-120			
PT-24					
FD-01	Dupont Toluene		0		
	Hydrazine	600-428	0		
	BCF	600-119/100-120	0		

Total inprocess for the month

Raw material	Code	Amount	Unit
TEU -dried/distilled	600-128	9146	lb
DEA	600-400	3115	
Phosgene	600-920	9223	
25% NAOH	600-200	1005	
New toluene	600-611	0	
PTSA	600-610	9258	
MCB	600-441	42200	
Soda Ash	600-923	3900	
Hydrazine	600-428	1740	
BCF	600-119/100-120	12600	
Purchased HCL	600-801	330	
Hydroperoxide	600-918	200	
Sodium bi-sulfite	600-619	1995	
Chlorine	600-126	2200	Cylinders
MCB recycle	600-440	6419	Fresh
Heptane recycle	600-616	9136	Recycle

R-1-2

ISOCHEM INC. APRIL 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00
LIMIT							
1-Apr-06	14	19,746					
2-Apr-06	14	20,636					
3-Apr-06	13	19,149					
4-Apr-06	21	30,508	0.00	0.00	0.00	78.87	0.00
5-Apr-06	18	26,460					
6-Apr-06	19	27,038					
7-Apr-06	16	22,383					
8-Apr-06	18	25,429					
9-Apr-06	14	20,814					
10-Apr-06	12	16,705					
11-Apr-06	10	14,533	0.00	55.75	0.00	11.39	41.21
12-Apr-06	18	25,342					
13-Apr-06	24	34,077					
14-Apr-06	12	16,950					
15-Apr-06	8	11,737					
16-Apr-06	10	13,733					
17-Apr-06	14	20,817					
18-Apr-06	11	16,205	0.00	129.74	0.00	0.00	8.11
19-Apr-06	20	29,358					
20-Apr-06	20	28,106					
21-Apr-06	18	26,052					
22-Apr-06	15	20,892					
23-Apr-06	15	21,310					
24-Apr-06	15	21,965					
25-Apr-06	11	16,039	0.00	0.00	0.00	0.00	0.00
26-Apr-06	17	24,050					
27-Apr-06	40	57,750					
28-Apr-06	12	17,470					
29-Apr-06	17	24,326					
30-Apr-06	18	25,399					

ISOICHEM INC. AUGUST 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00
LIMIT							
1-Aug-06	15	21,651					
2-Aug-06	8	11,553					
3-Aug-06	8	11,166					
4-Aug-06	12	16,755					
5-Aug-06	8	12,150					
6-Aug-06	8	10,886					
7-Aug-06	6	8,290	0.00	37.33	0.00	24.20	38.03
8-Aug-06	9	13,508					
9-Aug-06	9	13,372					
10-Aug-06	12	17,925					
11-Aug-06	8	11,016					
12-Aug-06	7	10,414					
13-Aug-06	5	6,490					
14-Aug-06	4	6,241	0.00	6.77	0.00	1.93	1.82
15-Aug-06	10	14,343					
16-Aug-06	10	13,710					
17-Aug-06	26	37,599					
18-Aug-06	3	4,966					
19-Aug-06	6	9,344					
20-Aug-06	9	12,905					
21-Aug-06	9	12,786	0.00	0.00	0.00	106.64	0.00
22-Aug-06	12	17,287					
23-Aug-06	7	9,697					
24-Aug-06	11	15,728					
25-Aug-06	14	19,781					
26-Aug-06	5	6,680					
27-Aug-06	10	14,717					
28-Aug-06	11	15,127	0.00	0.00	0.00	0.00	0.00
29-Aug-06	27	39,218					
30-Aug-06	22	31,466					
31-Aug-06	9	13,551					
1-Sep-06	9	13,424					
2-Sep-06	8	12,151					
3-Sep-06	8	11,967					
4-Sep-06	9	12,820					

ISOCHEM INC. DECEMBER 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00
LIMIT							
1-Dec-06	15	21,796					
2-Dec-06	8	11,728					
3-Dec-06	10	14,887	0.00	117.95	0.00	0.00	19.86
4-Dec-06	7	9,693					
5-Dec-06	7	9,421					
6-Dec-06	7	9,432					
7-Dec-06	11	16,470					
8-Dec-06	13	18,660					
9-Dec-06	12	17,772					
10-Dec-06	10	14,593	0.00	35.29	0.00	0.00	0.00
11-Dec-06	6	8,095					
12-Dec-06	8	12,121					
13-Dec-06	14	20,194					
14-Dec-06	14	19,837					
15-Dec-06	9	13,679					
16-Dec-06	9	13,361					
17-Dec-06	5	6,855	0.00	16.58	0.00	0.00	0.00
18-Dec-06	6	8,487					
19-Dec-06	7	9,793					
20-Dec-06	9	12,870					
21-Dec-06	21	30,509					
22-Dec-06	6	8,168					
23-Dec-06	4	6,322					
24-Dec-06	3	4,903	11.45	6.54	0.00	7.36	1.88
25-Dec-06	3	4,588					
26-Dec-06	3	4,589					
27-Dec-06	7	9,590					
28-Dec-06	11	16,001					
29-Dec-06	8	11,304					
30-Dec-06	11	15,575					
31-Dec-06	8	11,994	0.00	0.00	0.00	9.70	0.00

ISOICHEM INC. FEBRUARY 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day
LIMIT			137.00	120.00	53.00	NA	199.00
1-Feb-06	9	13,085					
2-Feb-06	8	12,178					
3-Feb-06	7	10,209					
4-Feb-06	12	17,795					
5-Feb-06	14	20,721					
6-Feb-06	12	16,645					
7-Feb-06	15	21,305	0.00	0.00	0.00	0.00	0.00
8-Feb-06	10	14,333					
9-Feb-06	3	4,848					
10-Feb-06	4	5,757					
11-Feb-06	5	6,517					
12-Feb-06	6	8,845					
13-Feb-06	1	2,085					
14-Feb-06	10	13,759	0.00	0.00	0.00	0.00	0.00
15-Feb-06	12	16,791					
16-Feb-06	9	12,264					
17-Feb-06	8	12,014					
18-Feb-06	7	9,997					
19-Feb-06	7	10,240					
20-Feb-06	12	17,339					
21-Feb-06	16	23,539	0.00	0.00	0.00	0.00	0.00
22-Feb-06	14	20,222					
23-Feb-06	20	29,150					
24-Feb-06	13	18,116					
25-Feb-06	13	18,440					
26-Feb-06	16	23,061					
27-Feb-06	14	20,233					
28-Feb-06	11	15,324	0.00	0.00	0.00	0.33	0.00
1-Mar-06	13	18,049					
2-Mar-06	15	21,695					
3-Mar-06	13	18,950					
4-Mar-06	14	20,492					
5-Mar-06	11	16,509					

ISOICHEM INC. JANUARY 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 120.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00
LIMIT							
1-Jan-06	15	21,258					
2-Jan-06	19	27,791					
3-Jan-06	8	11,933	3.98	0.00	10.95	1.19	0.00
4-Jan-06	12	16,970					
5-Jan-06	13	18,456					
6-Jan-06	11	16,101					
7-Jan-06	12	17,074					
8-Jan-06	15	21,406					
9-Jan-06	11	15,231					
10-Jan-06	8	12,207	33.60	0.00	0.00	0.55	0.00
11-Jan-06	9	12,538					
12-Jan-06	12	17,631					
13-Jan-06	5	7,101					
14-Jan-06	11	15,623					
15-Jan-06	7	10,434					
16-Jan-06	9	12,382					
17-Jan-06	7	10,713	0.00	0.00	0.00	58.07	0.00
18-Jan-06	11	15,492					
19-Jan-06	10	14,875					
20-Jan-06	5	7,350					
21-Jan-06	9	12,881					
22-Jan-06	9	13,677					
23-Jan-06	6	7,982					
24-Jan-06	7	9,365	0.00	0.00	0.00	25.77	0.00
25-Jan-06	11	16,103					
26-Jan-06	5	7,443					
27-Jan-06	7	9,798					
28-Jan-06	10	14,999					
29-Jan-06	12	17,978					
30-Jan-06	7	10,266					
31-Jan-06	6	8,947	0.00	0.00	0.00	2.69	0.00
1-Feb-06	9	13,085					
2-Feb-06	8	12,178					
3-Feb-06	7	10,209					
4-Feb-06	12	17,795					
5-Feb-06	14	20,721					

ISOICHEM INC. JULY 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day
LIMIT			137.00	200.00	53.00	NA	199.00
1-Jul-06	6	8,948					
2-Jul-06	5	7,603					
3-Jul-06	5	7,659	0.00	0.00	0.00	0.00	0.00
4-Jul-06	8	10,928					
5-Jul-06	9	12,430					
6-Jul-06	8	11,678					
7-Jul-06	6	8,014					
8-Jul-06	1	1,952					
9-Jul-06	5	7,607					
10-Jul-06	9	13,264	0.00	56.42	0.00	6.64	0.00
11-Jul-06	12	17,462					
12-Jul-06	22	31,328					
13-Jul-06	22	31,523					
14-Jul-06	14	19,645					
15-Jul-06	8	12,149					
16-Jul-06	8	11,347					
17-Jul-06	11	15,851	0.00	8.69	0.00	0.00	6.87
18-Jul-06	16	23,068					
19-Jul-06	19	27,927					
20-Jul-06	15	21,370					
21-Jul-06	13	18,620					
22-Jul-06	12	16,576					
23-Jul-06	10	15,093					
24-Jul-06	9	13,299	0.00	80.41	0.00	0.00	53.24
25-Jul-06	14	20,653					
26-Jul-06	15	21,496					
27-Jul-06	24	34,226					
28-Jul-06	14	19,503					
29-Jul-06	14	20,008					
30-Jul-06	13	19,224					
31-Jul-06	10	14,468	0.00	65.16	0.00	0.00	30.17
1-Aug-06	15	21,651					
2-Aug-06	8	11,553					
3-Aug-06	8	11,166					
4-Aug-06	12	16,755					
5-Aug-06	8	12,150					
6-Aug-06	8	10,886					

ISOICHEM INC. JUNE 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00
LIMIT							
1-Jun-06	16	22,901					
2-Jun-06	6	8,575					
3-Jun-06	8	11,087					
4-Jun-06	8	11,552					
5-Jun-06	7	10,653	6.75	0.00	0.00	0.00	0.00
6-Jun-06	11	15,323					
7-Jun-06	13	18,231					
8-Jun-06	15	21,924					
9-Jun-06	12	17,065					
10-Jun-06	12	17,731					
11-Jun-06	10	14,951					
12-Jun-06	9	13,470	0.00	0.00	0.00	0.00	0.00
13-Jun-06	17	23,990					
14-Jun-06	20	28,212					
15-Jun-06	17	25,016					
16-Jun-06	12	16,887					
17-Jun-06	11	15,635					
18-Jun-06	9	13,335					
19-Jun-06	11	15,608	0.00	0.00	0.00	0.00	0.00
20-Jun-06	11	16,516					
21-Jun-06	13	18,836					
22-Jun-06	9	12,245					
23-Jun-06	12	17,272					
24-Jun-06	6	7,927					
25-Jun-06	9	13,267					
26-Jun-06	11	16,359	16.37	0.00	0.00	0.00	0.00
27-Jun-06	16	22,380					
28-Jun-06	17	24,237					
29-Jun-06	8	11,905					
30-Jun-06	7	10,136					
1-Jul-06	6	8,948					
2-Jul-06	5	7,603					
3-Jul-06	5	7,659					
4-Jul-06	8	10,928					

ISOICHEM INC. may 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00
LIMIT							
1-May-06	15	22,203	0.00	107.40	0.00	0.00	51.85
2-May-06	17	24,816					
3-May-06	19	27,179					
4-May-06	24	34,630					
5-May-06	13	18,920					
6-May-06	13	18,342					
7-May-06	12	17,213					
8-May-06	12	17,163	0.00	0.00	0.00	5.73	0.00
9-May-06	12	17,379					
10-May-06	21	29,790					
11-May-06	32	46,136					
12-May-06	22	31,317					
13-May-06	12	17,949					
14-May-06	14	20,859					
15-May-06	10	15,012	200.32	0.00	0.00	0.00	0.00
16-May-06	9	13,134					
17-May-06	26	37,496					
18-May-06	47	68,334					
19-May-06	25	35,286					
20-May-06	8	11,069					
21-May-06	13	18,530					
22-May-06	11	15,630	123.84	0.00	0.00	0.00	0.00
23-May-06	12	17,087					
24-May-06	10	13,930					
25-May-06	12	17,113					
26-May-06	8	11,147					
27-May-06	6	9,180					
28-May-06	6	8,813					
29-May-06	6	8,085	10.79	0.00	0.00	0.00	0.00
30-May-06	8	11,528					
31-May-06	16	23,028					
1-Jun-06	16	22,901					
2-Jun-06	6	8,575					
3-Jun-06	8	11,087					
4-Jun-06	8	11,552					

ISOCHEM INC. NOVEMBER 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day
LIMIT			137.00	200.00	53.00	NA	199.00
1-Nov-06	14	19,657					
2-Nov-06	12	17,141					
3-Nov-06	9	13,459					
4-Nov-06	12	16,871					
5-Nov-06	12	16,687					
6-Nov-06	5	7,521	0.00	0.00	0.00	0.00	0.00
7-Nov-06	4	5,805					
8-Nov-06	11	15,948					
9-Nov-06	11	15,317					
10-Nov-06	6	8,463					
11-Nov-06	8	11,421					
12-Nov-06	9	12,391					
13-Nov-06	7	9,588	0.00	13.99	0.00	0.00	0.00
14-Nov-06	9	12,651					
15-Nov-06	11	15,647					
16-Nov-06	18	25,711					
17-Nov-06	14	20,052					
18-Nov-06	13	19,096					
19-Nov-06	9	12,959					
20-Nov-06	6	8,663	0.00	49.85	0.00	0.00	5.78
21-Nov-06	7	10,254					
22-Nov-06	5	6,860					
23-Nov-06	5	7,484					
24-Nov-06	12	17,427					
25-Nov-06	15	21,051					
26-Nov-06	4	6,175					
27-Nov-06	3	4,839	0.00	10.09	0.00	0.00	5.25
28-Nov-06	13	18,565					
29-Nov-06	7	10,128					
30-Nov-06	30	43,351					
1-Dec-06	15	21,796					
2-Dec-06	8	11,728					
3-Dec-06	10	14,887					

ISOCHEM INC. OCTOBER 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00
LIMIT							
1-Oct-06	4	5,480					
2-Oct-06	4	5,480					
3-Oct-06	1	1,655	0.00	0.00	0.00	0.00	0.00
4-Oct-06	10	14,663					
5-Oct-06	12	16,713					
6-Oct-06	11	15,673					
7-Oct-06	8	11,837					
8-Oct-06	10	14,847					
9-Oct-06	11	15,658					
10-Oct-06	15	22,023	0.00	0.00	0.00	0.00	0.00
11-Oct-06	12	17,675					
12-Oct-06	13	19,191					
13-Oct-06	10	15,039					
14-Oct-06	10	14,226					
15-Oct-06	9	12,301					
16-Oct-06	10	13,719					
17-Oct-06	10	14,663	0.00	84.38	0.00	5.87	1.35
18-Oct-06	9	13,080					
19-Oct-06	10	15,033					
20-Oct-06	11	15,319					
21-Oct-06	12	16,894					
22-Oct-06	11	16,265					
23-Oct-06	11	15,899					
24-Oct-06	13	18,307	0.00	3.82	0.00	0.00	0.00
25-Oct-06	12	17,875					
26-Oct-06	5	7,311					
27-Oct-06	6	8,474					
28-Oct-06	9	12,529					
29-Oct-06	9	13,528					
30-Oct-06	9	12,327					
31-Oct-06	11	16,188	0.00	117.46	0.00	39.15	60.75
1-Nov-06	14	19,657					
2-Nov-06	12	17,141					
3-Nov-06	9	13,459					
4-Nov-06	12	16,871					
5-Nov-06	12	16,687					

ISOICHEM INC. SEPTEMBER 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00
LIMIT							
1-Sep-06	9	13,424					
2-Sep-06	8	12,151					
3-Sep-06	8	11,967					
4-Sep-06	9	12,820					
5-Sep-06	12	17,870	0.00	0.00	0.00	0.00	0.00
6-Sep-06	12	17,815					
7-Sep-06	13	18,995					
8-Sep-06	11	15,396					
9-Sep-06	6	9,230					
10-Sep-06	10	14,102					
11-Sep-06	8	12,125					
12-Sep-06	8	11,905	0.00	0.00	0.00	0.00	0.00
13-Sep-06	13	18,209					
14-Sep-06	14	19,725					
15-Sep-06	10	13,709					
16-Sep-06	10	13,836					
17-Sep-06	9	13,276					
18-Sep-06	16	23,708					
19-Sep-06	12	17,641	0.00	0.00	0.00	0.00	0.00
20-Sep-06	12	17,252					
21-Sep-06	17	24,079					
22-Sep-06	30	43,399					
23-Sep-06	7	10,755					
24-Sep-06	1	1,721					
25-Sep-06	2	2,208					
26-Sep-06	6	8,796	0.00	0.00	0.00	0.00	0.00
27-Sep-06	6	7,941					
28-Sep-06	1	2,038					
29-Sep-06	4	5,480					
30-Sep-06	4	5,480					
1-Oct-06	4	5,480					
2-Oct-06	4	5,480					
3-Oct-06	1	1,655	0.00	0.00	0.00	0.00	0.00
4-Oct-06	10	14,663					
5-Oct-06	12	16,713					
6-Oct-06	11	15,673					
7-Oct-06	8	11,837					

ISOICHEM INC. MARCH 2006 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 120.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00
LIMIT							
1-Mar-06	13	18,049					
2-Mar-06	15	21,695					
3-Mar-06	13	18,950					
4-Mar-06	14	20,492					
5-Mar-06	11	16,509					
6-Mar-06	13	18,481					
7-Mar-06	12	17,364	0.00	0.00	0.00	0.00	0.00
8-Mar-06	13	19,072					
9-Mar-06	14	20,143					
10-Mar-06	13	19,094					
11-Mar-06	12	17,994					
12-Mar-06	15	21,766					
13-Mar-06	13	18,725					
14-Mar-06	15	21,635	0.00	0.00	0.00	0.00	0.00
15-Mar-06	24	34,614					
16-Mar-06	18	25,375					
17-Mar-06	18	25,375					
18-Mar-06	23	33,788					
19-Mar-06	15	21,232					
20-Mar-06	12	16,919					
21-Mar-06	19	27,002	0.00	0.00	0.00	12.61	0.00
22-Mar-06	13	18,302					
23-Mar-06	21	30,581					
24-Mar-06	10	14,371					
25-Mar-06	14	19,685					
26-Mar-06	10	15,016					
27-Mar-06	12	16,919					
28-Mar-06	19	27,002	0.00	0.00	0.00	0.00	0.00
29-Mar-06	13	18,302					
30-Mar-06	21	30,581					
31-Mar-06	10	14,371					
1-Apr-06	14	19,685					
2-Apr-06	10	15,016					

ISOCHEM INC. APRIL 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm
LIMIT			137.00	200.00	53.00	NA	199.00	
1-Apr-07	13	18,599						
2-Apr-07	20	29,003	23.70	0.00	0.00	0.00	0.00	
3-Apr-07	14	20,656						
4-Apr-07	11	16,467						
5-Apr-07	15	21,096						
6-Apr-07	13	18,313						
7-Apr-07	14	20,324						
8-Apr-07	12	17,088						
9-Apr-07	7	10,098	0.00	0.00	0.00	23.58	0.00	
10-Apr-07	7	9,511						
11-Apr-07	5	7,848						
12-Apr-07	10	14,319						
13-Apr-07	8	11,820						
14-Apr-07	6	8,981						
15-Apr-07	7	9,670						
16-Apr-07	12	17,664	94.28	0.00	0.00	29.46	0.00	
17-Apr-07	19	27,975						
18-Apr-07	12	17,818						
19-Apr-07	8	11,461						
20-Apr-07	5	6,514						
21-Apr-07	15	22,302						
22-Apr-07	12	17,507						
23-Apr-07	4	6,236	5.20	0.00	0.00	0.00	0.00	
24-Apr-07	11	16,494						
25-Apr-07	19	27,314						
26-Apr-07	12	17,796						
27-Apr-07	13	18,405						
28-Apr-07	15	21,715						
29-Apr-07	11	15,571						
30-Apr-07	8	11,941	4.08	0.00	0.00	23.90	0.00	
1-May-07	9	12,766						
2-May-07	16	23,318						
3-May-07	12	17,860						
4-May-07	3	3,665						
5-May-07	1	1,795						
6-May-07	13	18,754						

VAN DE MARK CHEMICAL INC. AUGUST 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm
LIMIT			137.00	200.00	53.00	NA	199.00	
1-Aug-07	11	16,006						
2-Aug-07	7	9,945						
3-Aug-07	5	6,609						
4-Aug-07	11	16,291						
5-Aug-07	5	7,494						
6-Aug-07	6	9,164	0.00	0.00	0.00	15.29	0.00	
7-Aug-07	13	18,963						
8-Aug-07	13	18,558						
9-Aug-07	5	7,449						
10-Aug-07	5	7,826						
11-Aug-07	17	24,922						
12-Aug-07	14	19,481						
13-Aug-07	12	17,239	0.00	0.00	0.00	32.92	0.00	
14-Aug-07	15	22,161						
15-Aug-07	11	16,374						
16-Aug-07	17	24,241						
17-Aug-07	5	7,350						
18-Aug-07	6	8,691						
19-Aug-07	7	10,036						
20-Aug-07	5	6,552	0.00	0.00	0.00	13.11	0.00	
21-Aug-07	3	4,349						
22-Aug-07	9	12,460						
23-Aug-07	7	9,811						
24-Aug-07	9	13,262						
25-Aug-07	8	10,927						
26-Aug-07	4	5,670						
27-Aug-07	5	7,406	0.00	0.00	0.00	0.00	0.00	
28-Aug-07	10	14,191						
29-Aug-07	13	18,233						
30-Aug-07	10	15,040						
31-Aug-07	8	11,799						
1-Sep-07	12	17,523						
2-Sep-07	9	12,896						
3-Sep-07	8	10,989						

VAN DE MARK CHEMICAL INC. DECEMBER 2007 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM		GPD	DEA	POH	PNBC	Methanol	NBA	Unit 1		Unit 2	
				#/day 137.00	#/day 200.00	#/day 53.00	#/day NA	#/day 199.00	MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb
1-Dec-07	7		10,452						* Unit 2 is only analyzed if unit 1 is detectable			
2-Dec-07	7		9,437									
3-Dec-07	13		18489	0.00	138.78	13.88	5.55	24.67				
4-Dec-07	18		25625									
5-Dec-07	27		39450									
6-Dec-07	22		31850									
7-Dec-07	11		15654									
8-Dec-07	9		13366									
9-Dec-07	13		18038									
10-Dec-07	12		17002	0.00	17.02	0.00	0.00	48.21				
11-Dec-07	12		17667									
12-Dec-07	13		19145									
13-Dec-07	12		17730									
14-Dec-07	11		15504									
15-Dec-07	9		13099									
16-Dec-07	8		11282									
17-Dec-07	7		9927	0.00	0.00	0.00	0.00	0.00	330.00	ND	ND	ND
18-Dec-07	7		10539									
19-Dec-07	12		17280									
20-Dec-07	12		17909									
21-Dec-07	12		17720									
22-Dec-07	9		12778									
23-Dec-07	11		15358									
24-Dec-07	10		14754	0.00	0.00	0.00	0.00	0.00	79.60	ND	42.7	ND
25-Dec-07	9		12397									
26-Dec-07	10		14942									
27-Dec-07	12		16771									
28-Dec-07	22		32303									
29-Dec-07	8		11070									
30-Dec-07	6		9191									
31-Dec-07				0.00	0.00	0.00	0.00	0.00				
1-Jan-08												

ISOCHEM INC. FEBRUARY 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	MCB ppm
LIMIT								
1-Feb-07	23	33,024						
2-Feb-07	11	15,383						
3-Feb-07	11	15,213						
4-Feb-07	7	10,785	0.00	3.15	0.00	0.00	0.00	28.20
5-Feb-07	16	23,107						
6-Feb-07	20	28,779						
7-Feb-07	15	21,741						
8-Feb-07	10	14,637						
9-Feb-07	12	17,775						
10-Feb-07	10	14,770						
11-Feb-07	8	11,592	0.00	0.00	0.00	0.00	0.00	64.00
12-Feb-07	8	12,081						
13-Feb-07	14	20,644						
14-Feb-07	20	28,702						
15-Feb-07	10	14,123						
16-Feb-07	12	17,559						
17-Feb-07	11	16,267						
18-Feb-07	11	16,376	0.00	0.00	0.00	0.00	0.00	43.00
19-Feb-07	11	15,381						
20-Feb-07	25	35,828						
21-Feb-07	19	27,862						
22-Feb-07	17	24,497						
23-Feb-07	14	20,130						
24-Feb-07	13	18,527						
25-Feb-07	13	19,437	0.00	15.24	0.00	0.00	0.00	39.00
26-Feb-07	9	13,032						
27-Feb-07	7	10,427						
28-Feb-07	8	11,775						
1-Mar-07	13	18,595						
2-Mar-07	11	15,893						
3-Mar-07	12	16,751						
4-Mar-07	12	17,121						

ISOCHEM INC. JANUARY 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	MCB ppm	Chloroform ppm
LIMIT									
1-Jan-07	11	15,421							
2-Jan-07	10	14,996	0.00	11.51	0.00	0.00	0.00	NA	
3-Jan-07	13	18,870							
4-Jan-07	17	24,651							
5-Jan-07	9	12,758							
6-Jan-07	7	9,530							
7-Jan-07	9	12,735							
8-Jan-07	10	14,535							
9-Jan-07	11	16,260	33.90	4.07	0.00	6.92	0.00	NA	
10-Jan-07	16	23,462							
11-Jan-07	24	35,134							
12-Jan-07	10	13,807							
13-Jan-07	11	15,372							
14-Jan-07	11	15,422							
15-Jan-07	9	12,495							
16-Jan-07	15	21,194	0.00	22.10	0.00	0.00	0.00	NA	
17-Jan-07	17	24,610							
18-Jan-07	9	12,266							
19-Jan-07	9	13,517							
20-Jan-07	10	14,140							
21-Jan-07	7	9,491							
22-Jan-07	7	9,886							
23-Jan-07	16	23,524	0.00	0.00	0.00	0.00	0.00	69.2	2.59
24-Jan-07	19	27,245							
25-Jan-07	12	17,346							
26-Jan-07	10	14,345							
27-Jan-07	8	11,227							
28-Jan-07	12	17,412							
29-Jan-07	12	16,793							
30-Jan-07	11	15,299	0.00	0.00	0.00	0.00	0.00	178	<32
31-Jan-07	22	30,965							

VAN DE MARK CHEMICAL INC. JULY 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm
LIMIT			137.00	200.00	53.00	NA	199.00	
1-Jul-07	2	3,314						
2-Jul-07	32	45,631	0.00	0.00	0.00	0.00	0.00	
3-Jul-07	42	61,191						
4-Jul-07	2	2,917						
5-Jul-07	3	4,713						
6-Jul-07	2	2,929						
7-Jul-07	7	9,736						
8-Jul-07	5	7,055						
9-Jul-07	4	5,666	0.00	0.00	0.00	0.00	0.00	
10-Jul-07	11	16,287						
11-Jul-07	18	26,324						
12-Jul-07	12	16,734						
13-Jul-07	11	15,334						
14-Jul-07	7	9,531						
15-Jul-07	7	9,531						
16-Jul-07	7	9,917	0.00	0.00	0.00	6.95	0.00	
17-Jul-07	7	9,397						
18-Jul-07	8	10,822						
19-Jul-07	12	17,605						
20-Jul-07	7	10,669						
21-Jul-07	4	6,391						
22-Jul-07	4	5,755						
23-Jul-07	3	4,037	0.00	0.00	0.00	10.94	0.00	
24-Jul-07	19	26,660						
25-Jul-07	6	8,460						
26-Jul-07	4	6,062						
27-Jul-07	4	5,937						
28-Jul-07	8	12,177						
29-Jul-07	6	9,133						
30-Jul-07	5	7,412	0.00	0.00	0.00	37.09	3.09	
31-Jul-07	12	17,791						
1-Aug-07	11	16,006						
2-Aug-07	7	9,945						
3-Aug-07	5	6,609						
4-Aug-07	11	16,291						
5-Aug-07	5	7,494						
6-Aug-07	6	9,164						
7-Aug-07	13	18,963						
8-Aug-07	13	18,558						

VAN DE MARK CHEMICAL INC. JUNE 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm
LIMIT			137.00	200.00	53.00	NA	199.00	
1-Jun-07	7	10,317						
2-Jun-07	7	9,453						
3-Jun-07	5	7,727	1.68	10.95	0.00	18.69	3.74	
4-Jun-07	4	6,232						
5-Jun-07	7	10,501						
6-Jun-07	11	15,625						
7-Jun-07	9	12,768						
8-Jun-07	7	10,373						
9-Jun-07	6	8,151						
10-Jun-07	9	13,065	0.00	6.97	0.00	0.00	0.00	
11-Jun-07	7	10,047						
12-Jun-07	11	15,270						
13-Jun-07	13	18,787						
14-Jun-07	15	22,024						
15-Jun-07	9	12,343						
16-Jun-07	9	12,453						
17-Jun-07	9	12,636	7.17	0.00	0.00	8.22	0.00	
18-Jun-07	11	15,680						
19-Jun-07	2	3,036						
20-Jun-07	0	75						
21-Jun-07	0	150						
22-Jun-07	0	374						
23-Jun-07	1	1,646						
24-Jun-07	4	5,887	0.00	0.00	0.00	0.00	0.00	
25-Jun-07	1	972						
26-Jun-07	31	44,434						
27-Jun-07	48	69,719						
28-Jun-07	26	37,702						
29-Jun-07	2	2,734						
30-Jun-07	4	5,958						
1-Jul-07	2	3,314						

ISOICHEM INC. MARCH 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm
LIMIT			137.00	200.00	53.00	NA	199.00	
1-Mar-07	13	18,595						
2-Mar-07	11	15,893						
3-Mar-07	12	16,751						
4-Mar-07	12	17,121	0.00	77.11	0.00	0.00	19.99	9.55
5-Mar-07	8	12,155						
6-Mar-07	9	12,855						
7-Mar-07	10	13,940						
8-Mar-07	17	25,007						
9-Mar-07	11	16,332						
10-Mar-07	9	13,634						
11-Mar-07	10	14,325	0.00	96.77	0.00	0.00	35.84	5.00
12-Mar-07	8	12,115						
13-Mar-07	13	18,239						
14-Mar-07	7	9,784						
15-Mar-07	11	16,209						
16-Mar-07	11	15,346						
17-Mar-07	11	16,129						
18-Mar-07	13	18,158	0.00	71.18	18.48	0.00	4.24	
19-Mar-07	13	19,071						
20-Mar-07	16	23,737						
21-Mar-07	20	28,885						
22-Mar-07	17	24,462						
23-Mar-07	13	18,846						
24-Mar-07	12	17,672						
25-Mar-07	16	22,322	7.82	0.00	0.00	6.70	0.00	
26-Mar-07	9	13,263						
27-Mar-07	35	50,383						
28-Mar-07	18	26,389						
29-Mar-07	14	20,458						
30-Mar-07	11	15,290						
31-Mar-07	17	24,365						
1-Apr-07	13	18,599						

ISOCHEM INC. MAY 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm
LIMIT			137.00	200.00	53.00	NA	199.00	
1-May-07	9	12,766						
2-May-07	16	23,318						
3-May-07	12	17,860						
4-May-07	3	3,665						
5-May-07	1	1,795						
6-May-07	13	18,754						
7-May-07	8	11,282	71.51	81.86	0.00	2.63	0.00	
8-May-07	7	9,455						
9-May-07	16	22,907						
10-May-07	15	21,179						
11-May-07	5	7,325						
12-May-07	8	10,845						
13-May-07	8	11,902						
14-May-07	5	7,909	72.56	34.96	0.00	0.00	11.21	
15-May-07	8	10,935						
16-May-07	17	24,214						
17-May-07	16	22,430						
18-May-07	12	16,615						
19-May-07	4	6,473						
20-May-07	6	9,335						
21-May-07	6	8,515	2.41	78.11	0.00	0.00	78.11	
22-May-07	9	13,460						
23-May-07	10	14,816						
24-May-07	16	23,432						
25-May-07	6	8,500						
26-May-07	5	6,595						
27-May-07	10	13,875						
28-May-07	10	15,049	17.57	28.87	0.00	0.00	6.40	
29-May-07	7	10,229						
30-May-07	11	15,676						
31-May-07	11	15,916						
1-Jun-07	7	10,317						
2-Jun-07	7	9,453						
3-Jun-07	5	7,727						

VAN DE MARK CHEMICAL INC. NOVEMBER 2007 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2	
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb
1-Nov-07	8	11,940						* Unit 2 is only analyzed if unit 1 is detectable			
2-Nov-07	10	14,825									
3-Nov-07	11	16,480									
4-Nov-07	6	8,466									
5-Nov-07	4	6,336	0.00	1.69	0.00	0.00	0.00				
6-Nov-07	16	23,300									
7-Nov-07	24	34,106									
8-Nov-07	10	14,741									
9-Nov-07	7	10,644									
10-Nov-07	7	9,739									
11-Nov-07	5	7,599									
12-Nov-07	7	10,782	0.00	37.77	0.00	2.34	13.49	23500	4850	<7.1	<4.9
13-Nov-07	17	24,639									
14-Nov-07	19	27,038									
15-Nov-07	20	29,242									
16-Nov-07	16	22,804									
17-Nov-07	8	11,696									
18-Nov-07	7	9,389									
19-Nov-07	9	12,449	0.00	4.88	0.00	0.00	3.32				
20-Nov-07	4	6,276									
21-Nov-07	14	20,815									
22-Nov-07	12	17,926									
23-Nov-07	8	11,839									
24-Nov-07	5	6,749									
25-Nov-07	6	9,174									
26-Nov-07	15	21,034	0.00	0.00	0.00	0.00	0.00	<7.1	<4.9	*	*
27-Nov-07	19	27,193									
28-Nov-07	26	37,548									
29-Nov-07	11	16,303									
30-Nov-07	7	9,929									
1-Dec-07	7	10,452									
2-Dec-07	7	9,437									

VAN DE MARK CHEMICAL INC.OCTOBER 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm
LIMIT			137.00	200.00	53.00	NA	199.00	
1-Oct-07	7	9,418	0.00	14.14	0.00	13.35	6.28	
2-Oct-07	11	15,499						
3-Oct-07	15	21,517						
4-Oct-07	15	22,240						
5-Oct-07	12	17,424						
6-Oct-07	10	14,478						
7-Oct-07	12	17,791						
8-Oct-07	11	15,155	0.00	91.00	0.00	0.00	0.00	
9-Oct-07	13	19,403						
10-Oct-07	14	20,805						
11-Oct-07	22	31,194						
12-Oct-07	13	18,915						
13-Oct-07	11	15,967						
14-Oct-07	11	15,393						
15-Oct-07	14	20,878	0.00	104.47	19.15	0.00	9.23	
16-Oct-07	18	26,172						
17-Oct-07	20	28,355						
18-Oct-07	13	18,205						
19-Oct-07	12	17,238						
20-Oct-07	6	8,759						
21-Oct-07	9	13,190						
22-Oct-07	8	11,917	0.00	17.89	0.00	66.59	5.07	
23-Oct-07	17	24,530						
24-Oct-07	11	16,381						
25-Oct-07	9	13,280						
26-Oct-07	6	8,821						
27-Oct-07	10	14,756						
28-Oct-07	11	15,197						
29-Oct-07	2	2,843	0.00	4.50	0.00	14.23	0.62	
30-Oct-07	8	11,194						
31-Oct-07	8	11,456						
1-Nov-07	8	11,940						
2-Nov-07	10	14,825						
3-Nov-07	11	16,480						
4-Nov-07	6	8,466						

VAN DE MARK CHEMICAL INC. SEPTEMBER 2007 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	MCB ppm
LIMIT			137.00	200.00	53.00	NA	199.00	
1-Sep-07	12	17,523						
2-Sep-07	9	12,896						
3-Sep-07	8	10,989	0.00	57.74	0.00	0.00	0.00	
4-Sep-07	13	18,586						
5-Sep-07	9	12,772						
6-Sep-07	8	12,140						
7-Sep-07	7	9,407						
8-Sep-07	5	7,768						
9-Sep-07	6	8,393						
10-Sep-07	10	14,039	0.00	69.08	0.00	0.00	6.32	
11-Sep-07	18	25,270						
12-Sep-07	19	27,509						
13-Sep-07	21	30,437						
14-Sep-07	15	22,222						
15-Sep-07	10	14,854						
16-Sep-07	9	12,717						
17-Sep-07	14	20,250	0.00	9.46	4.22	0.00	0.00	
18-Sep-07	16	23,476						
19-Sep-07	18	26,021						
20-Sep-07	12	17,807						
21-Sep-07	16	22,367						
22-Sep-07	17	23,968						
23-Sep-07	12	17,247						
24-Sep-07	7	10,169	0.00	16.11	0.00	0.00	0.00	
25-Sep-07	8	10,981						
26-Sep-07	13	19,364						
27-Sep-07	12	17,337						
28-Sep-07	7	9,527						
29-Sep-07	7	10,462						
30-Sep-07	8	11,076						
		16,586						

VAN DE MARK CHEMICAL INC. APRIL 2008 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
31-Mar-08	11	16,176	0.00	0.00	0.00	0.00	0.00							
1-Apr-08	11	15,234												
2-Apr-08	13	18,176												
3-Apr-08	13	19,221												
4-Apr-08	13	18,362												
5-Apr-08	12	17,604												
6-Apr-08	10	14,400	0.00	6.85	0.00	30.02	0.00					ND	ND	473
7-Apr-08	11	15,948										ND	ND	ND
8-Apr-08	18	25,865										ND	ND	ND
9-Apr-08	21	30,371										33	ND	61
10-Apr-08	12	17,996										23	ND	13
11-Apr-08	15	20,925										ND	ND	31
12-Apr-08	14	19,971												
13-Apr-08	9	13,222	0.00	15.44	0.00	0.00	0.00	140.00	1230	19.7	ND			
14-Apr-08	7	10,438												
15-Apr-08	15	21,963												
16-Apr-08	15	22,024												
17-Apr-08	14	20,128												
18-Apr-08	7	9,850												
19-Apr-08	5	7,892												
20-Apr-08	8	11,909	0.00	0.00	10.93	33.77	0.00							
21-Apr-08	10	15,004												
22-Apr-08	7	10,207												
23-Apr-08	10	13,867												
24-Apr-08	13	18,392												
25-Apr-08	10	13,693												
26-Apr-08	6	9,186												
27-Apr-08	9	12,503	0.00	9.49	0.00	9.28	0.00							
28-Apr-08	13	18,047												
29-Apr-08	13	18,100												
30-Apr-08	15	21,751												

518,427

VAN DE MARK CHEMICAL INC.AUGUST 2008 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Aug-08	11	15,709												
2-Aug-08	9	12,428												
3-Aug-08	8	10,983												
4-Aug-08	6	9,090												
5-Aug-08	12	16,650	0.00	8.33	0.00	3.61	0.00	68.70	ND	11	ND			
6-Aug-08	14	20,022												
7-Aug-08	14	20,428												
8-Aug-08	17	24,304												
9-Aug-08	8	11,414												
10-Aug-08	9	12,510												
11-Aug-08	6	8,949												
12-Aug-08	5	7,772	0.00	2.72	0.00	0.00	1.94							
13-Aug-08	4	5,981												
14-Aug-08	10	13,800												
15-Aug-08	11	15,451												
16-Aug-08	9	13,490												
17-Aug-08	6	8,751												
18-Aug-08	10	14,344												
19-Aug-08	11	15,799	0.00	0.00	0.00	0.00	0.00	10.30	16.8	ND	12.4			
20-Aug-08	13	18,440												
21-Aug-08	11	16,539												
22-Aug-08	9	12,854												
23-Aug-08	7	9,556												
24-Aug-08	7	10,771												
25-Aug-08	16	23,217												
26-Aug-08	13	19,174	0.00	4.64	107.14	0.00	14.39							
27-Aug-08	16	23,707												
28-Aug-08	10	15,106												
29-Aug-08	9	13,318												
30-Aug-08	6	8,640												
31-Aug-08	8	12,003												
1-Sep-08	11	16,008												

441,202

VAN DE MARK CHEMICAL INC. DECEMBER 2008 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Dec-08	23		33,217												
2-Dec-08	23		33,326	0.00	25.29	105.62	0.00	0.00							
3-Dec-08	22		31,972												
4-Dec-08	25		35,844												
5-Dec-08	23		33,714												
6-Dec-08	20		29,263												
7-Dec-08	18		25,819												
8-Dec-08	22		30,992												
9-Dec-08	25		36,251	0.00	0.00	9.37	42.33	0.00	5690.00	5490	ND	11.6			
10-Dec-08	34		49,365												
11-Dec-08	30		43,156												
12-Dec-08	20		28,394												
13-Dec-08	16		22,772												
14-Dec-08	15		21,153												
15-Dec-08	21		30,501												
16-Dec-08	24		33,959	10.20	0.00	0.00	9.35	0.00							
17-Dec-08	29		41,066												
18-Dec-08	25		36,635												
19-Dec-08	19		27,159												
20-Dec-08	20		28,373												
21-Dec-08	18		25,774												
22-Dec-08	20		29,331												
23-Dec-08	20		28,999	253.95	0.00	0.00	0.00	0.00	634.00	58.6	ND	ND			
24-Dec-08	20		28,162												
25-Dec-08	19		28,018												
26-Dec-08	16		22,562												
27-Dec-08	23		33,778												
28-Dec-08	39		55,986												
29-Dec-08	21		30,346												
30-Dec-08	22		31,687	0.00	0.00	0.00	0.00	0.00							
31-Dec-08	17		24,320												

991,894

VAN DE MARK CHEMICAL INC.FEBRUARY 2008 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2	
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb
1-Feb-08	11		15,732									
2-Feb-08	10		14,182									
3-Feb-08	12		17,637									
4-Feb-08	12		17,013	0.00	0.00	0.00	156.08	0.00	49.80	72.50	ND	ND
5-Feb-08	19		27,855									
6-Feb-08	22		32,247									
7-Feb-08	17		24,610									
8-Feb-08	14		19,709									
9-Feb-08	10		14,526									
10-Feb-08	10		14,262									
11-Feb-08	8		11,981	0.00	239.82	0.00	47.96	38.97				
12-Feb-08	14		20,111									
13-Feb-08	11		15,478									
14-Feb-08	17		24,682									
15-Feb-08	13		18,641									
16-Feb-08	21		30,427									
17-Feb-08	21		30,851									
18-Feb-08	25		35,899	0.00	41.92	0.00	80.84	10.48	133.00	41.00	ND	ND
19-Feb-08	28		40,022									
20-Feb-08	21		30,955									
21-Feb-08	18		25,534									
22-Feb-08	22		31,137									
23-Feb-08	21		30,865									
24-Feb-08	12		16,878									
25-Feb-08	13		18,880	0.00	18.89	0.00	0.00	0.00				
26-Feb-08	15		22,094									
27-Feb-08	16		23,174									
28-Feb-08	21		30,172									
29-Feb-08	21		29,968									
1-Mar-08	19		27,442									
2-Mar-08	19		26,651									

685,522

VAN DE MARK CHEMICAL INC. JANUARY 2008 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2	
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb
31-Dec-07	3		4,228	0.00	0.00	0.00	0.00	0.00				
1-Jan-08	9		12,925									
2-Jan-08	15		21,071									
3-Jan-08	12		16,561									
4-Jan-08	21		30,957									
5-Jan-08	17		24,236									
6-Jan-08	9		12,714									
7-Jan-08	12		17,859	0.00	65.54	0.00	0.00	19.36	7.40	ND	ND	ND
8-Jan-08	13		18,706									
9-Jan-08	14		19,842									
10-Jan-08	16		23,128									
11-Jan-08	8		11,719									
12-Jan-08	5		6,992									
13-Jan-08	7		9,532									
14-Jan-08	5		7,690	0.00	0.00	0.00	15.39	0.00				
15-Jan-08	8		10,955									
16-Jan-08	10		13,782									
17-Jan-08	9		12,554									
18-Jan-08	9		12,275									
19-Jan-08	6		8,565									
20-Jan-08	6		8,269									
21-Jan-08	6		8,505	0.00	0.00	0.00	85.12	0.00				
22-Jan-08	11		15,746									
23-Jan-08	12		17,214									
24-Jan-08	12		16,953									
25-Jan-08	13		18,530									
26-Jan-08	9		12,701									
27-Jan-08	18		25,684									
28-Jan-08	4		5,709	0.00	0.00	0.00	123.78	0.00	10500.00	16500	24.4	9.5
29-Jan-08	8		11,889									
30-Jan-08	10		14,403									
31-Jan-08	10		13,682									
1-Feb-08	11		15,651									
2-Feb-08	10		14,155									
3-Feb-08	12		17,603									

461,350

VAN DE MARK CHEMICAL INC. JULY 2008 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Jul-08	29	41,760												
2-Jul-08	27	38,929												
3-Jul-08	18	26,419												
4-Jul-08	16	22,763												
5-Jul-08	12	17,566												
6-Jul-08	14	19,663												
7-Jul-08	17	23,954	0.00	0.00	0.00	0.00	0.00	ND	ND					
8-Jul-08	23	32,471												
9-Jul-08	15	22,142												
10-Jul-08	24	34,811												
11-Jul-08	24	34,452												
12-Jul-08	22	31,838												
13-Jul-08	16	23,683												
14-Jul-08	22	31,522	0.00	102.53	0.00	15.51	0.00							
15-Jul-08	22	32,095												
16-Jul-08	22	32,189												
17-Jul-08	20	29,016												
18-Jul-08	20	29,407												
19-Jul-08	14	19,602												
20-Jul-08	15	22,223												
21-Jul-08	14	20,639	0.00	127.38	0.00	0.00	14.98	ND	ND					
22-Jul-08	22	31,521												
23-Jul-08	12	17,472												
24-Jul-08	14	20,078												
25-Jul-08	21	29,556												
26-Jul-08	18	26,401												
27-Jul-08	12	17,686												
28-Jul-08	13	19,185	0.00	75.20	0.00	0.00	16.00							
29-Jul-08	13	18,872												
30-Jul-08	18	25,442												
31-Jul-08	14	20,294												
1-Aug-08	11	15,709												
2-Aug-08	9	12,428												
3-Aug-08	8	10,983												
4-Aug-08	6	9,090												
5-Aug-08	12	16,650												

813,650

VAN DE MARK CHEMICAL INC. JUNE 2008 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Jun-08	14	20,114												
2-Jun-08	10	14,984	6.87	0.00	82.48	0.00	0.00							
3-Jun-08	9	13,030												
4-Jun-08	10	14,359												
5-Jun-08	10	14,323												
6-Jun-08	12	17,174												
7-Jun-08	9	12,810												
8-Jun-08	9	12,871												
9-Jun-08	8	12,104	22.21	0.00	0.00	0.00	0.00	ND	66.6	ND	ND			
10-Jun-08	18	26,621												
11-Jun-08	23	32,656												
12-Jun-08	26	37,421												
13-Jun-08	19	27,536												
14-Jun-08	17	25,136												
15-Jun-08	11	16,038												
16-Jun-08	18	26,391	37.42	0.00	0.00	0.00	0.00							
17-Jun-08	19	27,397												
18-Jun-08	15	21,456												
19-Jun-08	19	27,474												
20-Jun-08	11	16,222												
21-Jun-08	13	18,247												
22-Jun-08	14	19,854												
23-Jun-08	15	22,059	8.65	0.00	0.00	0.00	0.00	ND	ND					
24-Jun-08	16	23,474												
25-Jun-08	16	23,532												
26-Jun-08	18	25,464												
27-Jun-08	32	45,443												
28-Jun-08	13	19,049												
29-Jun-08	12	17,656												
30-Jun-08	18	26,250	26.27	30.65	0.00	32.84	0.00							
1-Jul-08	29	41,760												
2-Jul-08	27	38,929												
3-Jul-08	18	26,419												
4-Jul-08	16	22,763												
5-Jul-08	12	17,566												
6-Jul-08	14	19,663												
7-Jul-08	17	23,954												
8-Jul-08	23	32,471												

630,896

VAN DE MARK CHEMICAL INC. MARCH 2008 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2	
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb
1-Mar-08	19		27,442									
2-Mar-08	19		26,651									
3-Mar-08	18		25,389	0.00	0.00	0.00	0.00	0.00	ND	ND	ND	ND
4-Mar-08	19		28,065									
5-Mar-08	18		25,905									
6-Mar-08	18		25,473									
7-Mar-08	16		22,592									
8-Mar-08	15		21,952									
9-Mar-08	13		18,931									
10-Mar-08	12		17,750	0.00	20.73	5.63	0.00	14.80				
11-Mar-08	14		20,330									
12-Mar-08	17		25,187									
13-Mar-08	20		28,611									
14-Mar-08	17		24,187									
15-Mar-08	12		17,484									
16-Mar-08	12		17,412									
17-Mar-08	13		19,180	0.00	7.84	4.96	16.00	0.00				
18-Mar-08	19		27,188									
19-Mar-08	16		22,745									
20-Mar-08	12		17,402									
21-Mar-08	12		17,677									
22-Mar-08	11		16,274									
23-Mar-08	9		13,207									
24-Mar-08	9		12,739	0.00	0.00	0.00	0.00	0.00	91.20	10	ND	ND
25-Mar-08	13		18,084									
26-Mar-08	19		27,634									
27-Mar-08	16		22,859									
28-Mar-08	12		17,786									
29-Mar-08	16		22,473									
30-Mar-08	13		18,035									
31-Mar-08	11		16,176	0.00	0.00	0.00	0.00	0.00				

662,819

VAN DE MARK CHEMICAL INC. MAY 2008 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-May-08	13	18,889												
2-May-08	9	12,922												
3-May-08	8	11,343												
4-May-08	9	13,533												
5-May-08	9	12,943	0.00	32.38	0.00	5.29	20.51	ND	ND					
6-May-08	17	24,144												
7-May-08	12	16,708												
8-May-08	25	36,305												
9-May-08	10	14,611												
10-May-08	10	14,535												
11-May-08	12	17,297												
12-May-08	9	12,833	0.00	41.74	0.00	3.00	0.00	ND	ND					
13-May-08	11	15,627												
14-May-08	8	11,858												
15-May-08	15	20,951												
16-May-08	14	19,802												
17-May-08	10	14,276												
18-May-08	9	12,505												
19-May-08	9	13,232	0.00	101.52	0.00	3.42	39.73							
20-May-08	11	16,382												
21-May-08	11	15,516												
22-May-08	12	17,005												
23-May-08	10	14,609												
24-May-08	13	18,622												
25-May-08	15	21,523												
26-May-08	14	19,552	0.00	78.27	0.00	32.61	7.99	260.00	992	10.2	ND			
27-May-08	7	10,346												
28-May-08	15	21,544												
29-May-08	12	17,249												
30-May-08	14	20,690												
31-May-08	14	20,412												
1-Jun-08	14	20,114												

527,765

VAN DE MARK CHEMICAL INC. NOVEMBER 2008 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Nov-08	15	21,287												
2-Nov-08	17	23,982												
3-Nov-08	15	21,878	0.00	10.04	0.00	0.00	0.00							
4-Nov-08	19	27,740												
5-Nov-08	20	29,304												
6-Nov-08	18	25,884												
7-Nov-08	14	20,527												
8-Nov-08	14	19,940												
9-Nov-08	14	19,565												
10-Nov-08	17	24,952	0.00	45.78	0.00	0.00	0.00							
11-Nov-08	22	32,143						ND	ND					
12-Nov-08	23	33,813												
13-Nov-08	15	21,323												
14-Nov-08	12	17,655												
15-Nov-08	12	17,615												
16-Nov-08	13	18,757												
17-Nov-08	11	15,590	0.00	0.00	0.00	0.00	0.00							
18-Nov-08	52	74,382												
19-Nov-08	23	32,859												
20-Nov-08	18	25,523												
21-Nov-08	19	28,043												
22-Nov-08	23	32,669												
23-Nov-08	23	33,377												
24-Nov-08	21	30,003	0.00	0.00	0.00	0.00	0.00							
25-Nov-08	22	32,061												
26-Nov-08	21	29,661												
27-Nov-08	22	31,856												
28-Nov-08	18	26,193												
29-Nov-08	19	27,304												
30-Nov-08	21	30,407												

826,295

VAN DE MARK CHEMICAL INC. OCTOBER 2008 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Oct-08	17		24,673												
2-Oct-08	27		38,723												
3-Oct-08	13		18,633												
4-Oct-08	15		20,915												
5-Oct-08	19		27,879												
6-Oct-08	15		21,667	0.00	0.00	0.00	10.66	0.00							
7-Oct-08	17		24,978												
8-Oct-08	29		41,142												
9-Oct-08	25		36,683												
10-Oct-08	16		22,606												
11-Oct-08	18		25,797												
12-Oct-08	12		16,638												
13-Oct-08	17		24,590	0.00	0.00	0.00	0.00	0.00							
14-Oct-08	12		17,761						ND	ND					
15-Oct-08	18		25,519												
16-Oct-08	19		27,868												
17-Oct-08	19		27,289												
18-Oct-08	15		21,926												
19-Oct-08	13		19,289												
20-Oct-08	16		23,717	0.00	0.00	0.00	0.00	0.00							
21-Oct-08	28		40,336												
22-Oct-08	21		30,114												
23-Oct-08	22		32,250												
24-Oct-08	17		24,435												
25-Oct-08	22		31,357												
26-Oct-08	17		24,618												
27-Oct-08	21		30,219	0.00	10.33	0.00	0.00	0.00							
28-Oct-08	21		30,301						59.60	15.7	16.2	6.2			
29-Oct-08	23		33,666												
30-Oct-08	20		28,115												
31-Oct-08	17		24,520												

838,221

VAN DE MARK CHEMICAL INC. SEPTEMBER 2008 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Sep-08	11		16,008	88.11	7.61	4.01	0.00	5.61							
2-Sep-08	14		20,213						ND	ND					
3-Sep-08	17		24,100												
4-Sep-08	16		23,110												
5-Sep-08	13		19,331												
6-Sep-08	11		16,512												
7-Sep-08	11		16,121												
8-Sep-08	14		19,608	27.80	57.24	121.02	4.42	5.40							
9-Sep-08	18		26,317												
10-Sep-08	18		25,307												
11-Sep-08	17		24,572												
12-Sep-08	11		15,574												
13-Sep-08	10		15,038												
14-Sep-08	17		24,677												
15-Sep-08	19		27,869	8.13	251.02	74.38	0.00	111.56							
16-Sep-08	30		42,764						ND	ND					
17-Sep-08	15		21,391												
18-Sep-08	13		18,898												
19-Sep-08	13		18,436												
20-Sep-08	9		12,821												
21-Sep-08	13		18,013												
22-Sep-08	14		20,019	45.08	121.88	0.00	0.00	55.10							
23-Sep-08	16		23,181												
24-Sep-08	13		19,082												
25-Sep-08	19		27,761												
26-Sep-08	10		14,932												
27-Sep-08	7		10,232												
28-Sep-08	9		12,775												
29-Sep-08	12		17,195	0.00	0.00	100.38	15.77	15.77							
30-Sep-08	18		26,036												

617,894

VAN DE MARK CHEMICAL INC.MARCH 2009 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Apr-09	7	9,828												
2-Apr-09	12	16,762												
3-Apr-09	12	17,787												
4-Apr-09	12	16,774												
5-Apr-09	13	18,885												
6-Apr-09	11	15,724	0.00	0.00	0.00	10.49	0.00							
7-Apr-09	24	33,975												
8-Apr-09	17	23,858												
9-Apr-09	16	22,670												
10-Apr-09	9	13,361												
11-Apr-09	6	9,154												
12-Apr-09	6	9,014												
13-Apr-09	22	31,386	0.00	0.00	0.00	575.86	0.00	9570.00	12500	6.6	ND			
14-Apr-09	15	21,556												
15-Apr-09	14	19,574												
16-Apr-09	17	24,182												
17-Apr-09	15	21,182												
18-Apr-09	4	6,268												
19-Apr-09	18	26,207												
20-Apr-09	14	19,670	0.00	0.00	0.00	229.67	0.00							
21-Apr-09	12	17,453												
22-Apr-09	10	14,785												
23-Apr-09	10	14,638												
24-Apr-09	12	17,899												
25-Apr-09	11	15,773												
26-Apr-09	13	18,410												
27-Apr-09	15	21,987	0.00	0.00	0.00	205.37	0.00	69.00	908	16.1	16.2			
28-Apr-09	22	30,999												
29-Apr-09	20	28,123												
30-Apr-09	21	30,618												

VAN DE MARK CHEMICAL INC.AUGUST 2009 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Aug-09	5	7,602												
2-Aug-09	9	13,547												
3-Aug-09	13	18,987	0.00	0.00	0.00	0.00	0.00	ND	ND					
4-Aug-09	22	31,643												
5-Aug-09	18	25,620												
6-Aug-09	16	22,422												
7-Aug-09	16	23,692												
8-Aug-09	12	17,330												
9-Aug-09	13	18,964												
10-Aug-09	14	20,185	0.00	0.00	0.00	0.00	0.00							
11-Aug-09	34	49,133												
12-Aug-09	23	32,679												
13-Aug-09	22	31,166												
14-Aug-09	10	14,648												
15-Aug-09	8	11,713												
16-Aug-09	8	10,863												
17-Aug-09	14	19,888	0.00	0.00	0.00	0.00	0.00	ND	ND					
18-Aug-09	27	38,206												
19-Aug-09	21	30,311												
20-Aug-09	15	21,344												
21-Aug-09	9	12,909												
22-Aug-09	6	8,659												
23-Aug-09	7	10,635												
24-Aug-09	6	8,662	0.00	0.00	0.00	0.00	0.00							
25-Aug-09	3	4,131												
26-Aug-09	14	19,464												
27-Aug-09	17	24,778												
28-Aug-09	35	50,022												
29-Aug-09	38	55,262												
30-Aug-09	48	69,587												
31-Aug-09	47	67,785	0.00	0.00	0.00	0.00	0.00	6960.00	7690	ND	26.2			

VAN DE MARK CHEMICAL INC. DECEMBER 2009 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Dec-09	17	25,060												
2-Dec-09	19	26,764												
3-Dec-09	13	19,318												
4-Dec-09	17	24,287												
5-Dec-09	27	38,973												
6-Dec-09	23	32,469												
7-Dec-09	19	28,008	15.18	0.00	0.00	44.38	0.00	7.07	415	ND	ND			
8-Dec-09	14	20,642												
9-Dec-09	13	19,124												
10-Dec-09	12	17,416												
11-Dec-09	8	10,852												
12-Dec-09	9	13,284												
13-Dec-09	9	13,332												
14-Dec-09	12	16,659	0.00	0.00	0.00	12.64	0.00	40.60	1420	ND	ND			
15-Dec-09	14	20,650												
16-Dec-09	20	29,361												
17-Dec-09	8	12,096												
18-Dec-09	8	11,181												
19-Dec-09	7	9,379												
20-Dec-09	7	9,633												
21-Dec-09	10	15,119	0.00	0.00	0.00	11.47	0.00							
22-Dec-09	13	18,930												
23-Dec-09	6	9,102												
24-Dec-09	6	8,436												
25-Dec-09	6	8,336												
26-Dec-09	5	7,368												
27-Dec-09	4	6,352												
28-Dec-09	6	8,969	0.00	0.00	0.00	0.00	0.00	36.30	380	ND	8.91			
29-Dec-09	6	8,739												
30-Dec-09	6	8,293												
31-Dec-09	13	18,170												

VAN DE MARK CHEMICAL INC. FEBRUARY 2009 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Feb-09	20	28,180												
2-Feb-09	25	35,885	0.00	0.00	0.00	0.00	0.00	196.00	ND	6.9	ND			
3-Feb-09	20	29,486												
4-Feb-09	20	29,057												
5-Feb-09	18	26,578												
6-Feb-09	21	30,142												
7-Feb-09	23	33,025												
8-Feb-09	23	33,013												
9-Feb-09	22	31,900	0.00	0.00	0.00	0.00	0.00							
10-Feb-09	28	40,200												
11-Feb-09	29	41,784												
12-Feb-09	27	39,375												
13-Feb-09	25	36,511												
14-Feb-09	22	31,059												
15-Feb-09	20	28,229												
16-Feb-09	20	29,066	0.00	0.00	0.00	0.00	0.00	21.10	ND	ND	ND			
17-Feb-09	26	37,001												
18-Feb-09	23	33,162												
19-Feb-09	18	25,922												
20-Feb-09	27	38,630												
21-Feb-09	21	30,881												
22-Feb-09	19	28,040												
23-Feb-09	18	25,921	0.00	0.00	0.00	0.00	0.00							
24-Feb-09	24	34,003												
25-Feb-09	30	43,014												
26-Feb-09	32	45,367												
27-Feb-09	28	40,908												
28-Feb-09	21	30,137												

VAN DE MARK CHEMICAL INC. JANUARY 2009 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM		GPD	DEA	POH	PNBC	Methanol	NBA	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
				#/day 137.00	#/day 200.00	#/day 53.00	#/day NA	#/day 199.00	MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Jan-09	17		24,253												
2-Jan-09	17		25,146												
3-Jan-09	17		24,176												
4-Jan-09	18		26,349												
5-Jan-09	15		22,283	24.16	0.00	0.00	0.00	0.00	55.30	ND	ND	ND			
6-Jan-09	20		28,573												
7-Jan-09	26		37,218												
8-Jan-09	22		32,128												
9-Jan-09	22		31,203												
10-Jan-09	16		22,692												
11-Jan-09	18		26,128												
12-Jan-09	17		24,493	12.46	0.00	0.00	0.00	0.00							
13-Jan-09	21		29,536												
14-Jan-09	22		31,439												
15-Jan-09	27		39,558												
16-Jan-09	18		26,338												
17-Jan-09	10		14,221												
18-Jan-09	21		30,668												
19-Jan-09	18		26,154	0.00	0.00	0.00	82.89	0.00	ND	ND					
20-Jan-09	23		32,677												
21-Jan-09	23		33,611												
22-Jan-09	34		48,583												
23-Jan-09	8		11,405												
24-Jan-09	38		54,526												
25-Jan-09	16		23,246												
26-Jan-09	17		24,670	0.00	0.00	0.00	19.34	0.00							
27-Jan-09	17		24,166												
28-Jan-09	22		32,239												
29-Jan-09	20		28,946												
30-Jan-09	29		41,132												
31-Jan-09	25		35,510												

VAN DE MARK CHEMICAL INC.JULY 2009 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Jul-09	8	10,975												
2-Jul-09	8	10,930												
3-Jul-09	8	11,996												
4-Jul-09	10	13,763												
5-Jul-09	8	11,963												
6-Jul-09	29	41,675	11.82	139.03	24.68	26.07	83.42	3030.00	2800	13.9	13.4			
7-Jul-09	25	36,586												
8-Jul-09	16	23,448												
9-Jul-09	21	30,727												
10-Jul-09	8	11,534												
11-Jul-09	10	13,694												
12-Jul-09	8	11,889												
13-Jul-09	11	15,374	0.00	28.21	0.00	8.08	0.00							
14-Jul-09	26	37,814												
15-Jul-09	24	34,087												
16-Jul-09	12	17,778												
17-Jul-09	12	16,621												
18-Jul-09	12	17,825												
19-Jul-09	9	12,354												
20-Jul-09	5	7,732	0.00	8.38	0.00	0.00	0.00	16.50	76.9	ND	ND			
21-Jul-09	13	18,534												
22-Jul-09	42	60,486												
23-Jul-09	11	15,244												
24-Jul-09	10	14,030												
25-Jul-09	18	25,603												
26-Jul-09	11	15,469												
27-Jul-09	34	49,204	0.00	0.00	0.00	102.59	0.00	ND	ND					
28-Jul-09	30	43,326												
29-Jul-09	21	30,634												
30-Jul-09	11	16,099												
31-Jul-09	7	9,898												

VAN DE MARK CHEMICAL INC.JUNE 2009 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Jun-09	8		11,957	3.79	0.00	0.00	0.00	0.00	ND	ND					
2-Jun-09	16		23,498												
3-Jun-09	8		11,705												
4-Jun-09	17		24,208												
5-Jun-09	7		9,508												
6-Jun-09	4		6,245												
7-Jun-09	6		9,160												
8-Jun-09	13		18,156	0.00	0.00	0.00	60.57	0.00	9810.00	1800	ND	ND			
9-Jun-09	23		32,876												
10-Jun-09	16		22,629												
11-Jun-09	10		14,023												
12-Jun-09	20		29,346												
13-Jun-09	5		6,817												
14-Jun-09	4		6,406												
15-Jun-09	11		15,815	0.00	0.00	0.00	11.87	0.00	ND	ND					
16-Jun-09	8		11,749												
17-Jun-09	9		13,319												
18-Jun-09	10		14,484												
19-Jun-09	9		13,370												
20-Jun-09	7		9,427												
21-Jun-09	2		2,819												
22-Jun-09	14		20,166	0.00	38.68	0.00	0.00	0.00	ND	ND					
23-Jun-09	21		29,731												
24-Jun-09	23		33,197												
25-Jun-09	20		28,254												
26-Jun-09	8		11,250												
27-Jun-09	8		11,280												
28-Jun-09	7		10,637												
29-Jun-09	14		19,854	1.99	134.12	4.97	5.80	15.57	ND	ND					
30-Jun-09	8		11,683												

VAN DE MARK CHEMICAL INC.MARCH 2009 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Mar-09	20		28,338												
2-Mar-09	19		27,824	0.00	0.00	0.00	0.00	0.00	311.00	261	ND	ND			
3-Mar-09	20		28,128												
4-Mar-09	20		29,034												
5-Mar-09	20		28,380												
6-Mar-09	32		46,495												
7-Mar-09	23		33,147												
8-Mar-09	16		23,067												
9-Mar-09	12		17,891	0.00	0.00	0.00	0.00	0.00							
10-Mar-09	8		12,059												
11-Mar-09	24		34,679												
12-Mar-09	12		17,820												
13-Mar-09	11		15,203												
14-Mar-09	10		14,625												
15-Mar-09	11		15,891												
16-Mar-09	10		14,040	0.00	0.00	0.00	0.00	0.00	ND	ND	ND	ND			
17-Mar-09	10		14,756												
18-Mar-09	8		11,060												
19-Mar-09	9		13,221												
20-Mar-09	11		15,510												
21-Mar-09	7		9,729												
22-Mar-09	5		7,677												
23-Mar-09	5		7,566	0.00	0.00	0.00	0.00	0.00							
24-Mar-09	5		6,742												
25-Mar-09	6		8,850												
26-Mar-09	5		6,494												
27-Mar-09	12		17,022												
28-Mar-09	10		14,754												
29-Mar-09	10		14,430												
30-Mar-09	12		16,672												
31-Mar-09	9		13,308												

VAN DE MARK CHEMICAL INC.MAY 2009 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-May-09	11	16,356												
2-May-09	8	12,045												
3-May-09	8	12,132												
4-May-09	10	14,135	0.00	0.00	0.00	29.47	0.00							
5-May-09	10	15,012						<250	21100	<250	4870			
6-May-09	8	12,211												
7-May-09	7	10,262												
8-May-09	8	11,833												
9-May-09	7	10,787												
10-May-09	6	8,214												
11-May-09	8	11,718	0.00	0.00	0.00	44.96	0.00							
12-May-09	13	18,758						7.20	37.3	ND	40.1			
13-May-09	17	24,405												
14-May-09	9	12,281												
15-May-09	7	9,398												
16-May-09	7	10,729												
17-May-09	10	13,765												
18-May-09	12	16,658	0.00	0.00	0.00	11.39	0.00							
19-May-09	9	13,199						ND	ND					
20-May-09	16	22,486												
21-May-09	17	24,156												
22-May-09	13	18,643												
23-May-09	11	15,139												
24-May-09	9	13,035												
25-May-09	7	9,688	5.17	0.00	0.00	0.00	0.00							
26-May-09	13	18,140						ND	ND					
27-May-09	26	36,954												
28-May-09	18	25,704												
29-May-09	9	12,253												
30-May-09	6	8,379												
31-May-09	7	10,713												

VAN DE MARK CHEMICAL INC. NOVEMBER 2009 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Nov-09	10	14,818												
2-Nov-09	18	26,094	15.23	200.21	34.82	0.00	104.46							
3-Nov-09	15	21,528												
4-Nov-09	17	24,007												
5-Nov-09	13	19,271												
6-Nov-09	9	12,958												
7-Nov-09	12	16,710												
8-Nov-09	8	11,536												
9-Nov-09	15	22,013	6.24	183.59	13.03	0.00	53.24	43.80	125	ND	ND			
10-Nov-09	17	24,029												
11-Nov-09	15	21,718												
12-Nov-09	11	16,175												
13-Nov-09	7	10,510												
14-Nov-09	10	13,875												
15-Nov-09	10	13,848												
16-Nov-09	12	17,545	3.66	133.16	59.99	0.00	19.02	3390.00	9440	ND	ND			
17-Nov-09	13	19,381												
18-Nov-09	14	20,283												
19-Nov-09	15	21,534												
20-Nov-09	14	20,246												
21-Nov-09	11	16,365												
22-Nov-09	8	11,029												
23-Nov-09	9	13,301	51.03	3.88	144.21	113.15	0.00	57200.00	22700	9.72	186			
24-Nov-09	8	12,138												
25-Nov-09	3	3,711												
26-Nov-09	3	4,834												
27-Nov-09	8	10,824												
28-Nov-09	5	7,075												
29-Nov-09	4	5,734												
30-Nov-09	11	15,860	17.20	0.00	0.00	88.62	0.00							

VAN DE MARK CHEMICAL INC. OCTOBER 2009 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Oct-09	12		17,808												
2-Oct-09	9		12,920												
3-Oct-09	11		15,585												
4-Oct-09	12		16,980												
5-Oct-09	13		19,262	0.00	0.00	0.00	16.06	0.00							
6-Oct-09	20		29,413												
7-Oct-09	20		28,956												
8-Oct-09	9		12,537												
9-Oct-09	7		10,654												
10-Oct-09	9		12,497												
11-Oct-09	2		3,276												
12-Oct-09	21		30,018	0.00	0.00	28.04	17.02	0.00	3600.00	ND	14.2	ND			
13-Oct-09	12		17,196												
14-Oct-09	12		17,320												
15-Oct-09	10		15,118												
16-Oct-09	10		13,849												
17-Oct-09	9		12,256												
18-Oct-09	7		10,753												
19-Oct-09	13		18,324	0.00	0.00	0.00	0.00	0.00	8.40	ND	ND	ND			
20-Oct-09	15		21,077												
21-Oct-09	13		19,355												
22-Oct-09	10		15,001												
23-Oct-09	7		10,156												
24-Oct-09	5		7,361												
25-Oct-09	12		17,230												
26-Oct-09	15		21,696	101.33	0.00	0.00	5.79	0.00	9.70	ND	ND	ND			
27-Oct-09	14		20,715												
28-Oct-09	15		22,070												
29-Oct-09	12		17,095												
30-Oct-09	12		17,971												
31-Oct-09	11		15,620												

VAN DE MARK CHEMICAL INC. SEPTEMBER 2009 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM		GPD	DEA	POH	PNBC	Methanol	NBA	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
				#/day 137.00	#/day 200.00	#/day 53.00	#/day NA	#/day 199.00	MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Sep-09	40		57,708												
2-Sep-09	46		66,383												
3-Sep-09	52		74,652												
4-Sep-09	5		6,675												
5-Sep-09	30		43,312												
6-Sep-09	9		13,383												
7-Sep-09	8		11,716	0.00	0.00	0.00	0.00	0.00							
8-Sep-09	15		22,280												
9-Sep-09	21		30,946												
10-Sep-09	17		23,942												
11-Sep-09	18		26,050												
12-Sep-09	19		27,926												
13-Sep-09	24		35,050												
14-Sep-09	19		27,570	0.00	252.92	0.00	64.38	6.90	ND	220	ND	12.6			
15-Sep-09	14		19,919												
16-Sep-09	19		27,163												
17-Sep-09	20		29,010												
18-Sep-09	14		20,316												
19-Sep-09	13		19,015												
20-Sep-09	12		16,837												
21-Sep-09	11		15,735	0.00	108.92	0.00	0.00	60.37	14.60	142	ND	17.1			
22-Sep-09	13		18,034												
23-Sep-09	15		21,876												
24-Sep-09	13		19,036												
25-Sep-09	12		17,371												
26-Sep-09	9		13,326												
27-Sep-09	12		17,147												
28-Sep-09	17		24,046	0.00	26.07	100.27	0.00	24.06	ND	151	ND	24.6			
29-Sep-09	15		21,121												
30-Sep-09	13		18,941												

VAN DE MARK CHEMICAL INC. APRIL 2010 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Apr-10	11		15,531												
2-Apr-10	8		11,546												
3-Apr-10	7		9,826												
4-Apr-10	7		9,862												
5-Apr-10	13		18,158	0.00	0.00	0.00	6.21	0.00							
6-Apr-10	20		28,205												
7-Apr-10	22		31,256												
8-Apr-10	14		20,330												
9-Apr-10	14		20,763												
10-Apr-10	9		13,423												
11-Apr-10	9		12,262												
12-Apr-10	12		16,645	0.00	0.00	0.00	104.11	0.00	6.21	77.2	ND	ND			
13-Apr-10	15		21,040												
14-Apr-10	19		27,191												
15-Apr-10	11		15,784												
16-Apr-10	11		16,011												
17-Apr-10	9		13,510												
18-Apr-10	12		17,408												
19-Apr-10	21		29,965	0.00	0.00	0.00	6.50	0.00							
20-Apr-10	19		27,678												
21-Apr-10	19		27,233												
22-Apr-10	13		19,189												
23-Apr-10	14		20,244												
24-Apr-10	9		13,478												
25-Apr-10	16		22,663												
26-Apr-10	17		24,168	0.00	0.00	0.00	0.00	0.00	1100.00	2210	93.36	42			
27-Apr-10	20		29,027												
28-Apr-10	20		28,420												
29-Apr-10	20		28,575												
30-Apr-10	14		20,507												

VAN DE MARK CHEMICAL INC. AUGUST 2010 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Aug-10	12		17,867												
2-Aug-10	14		20,214	0.00	131.49	7.42	10.79	0.00	668	12700	ND	ND			
3-Aug-10	20		28,610												
4-Aug-10	20		28,344												
5-Aug-10	20		29,080												
6-Aug-10	17		24,598												
7-Aug-10	17		24,954												
8-Aug-10	14		20,235												
9-Aug-10	16		23,399	5.85	105.38	29.27	0.00	25.37							
10-Aug-10	18		26,201												
11-Aug-10	18		26,010												
12-Aug-10	17		24,263												
13-Aug-10	16		22,721												
14-Aug-10	14		19,739												
15-Aug-10	13		18,835												
16-Aug-10	20		29,005	44.27	70.15	155.79	0.00	40.88							
17-Aug-10	27		38,929												
18-Aug-10	23		33,002												
19-Aug-10	21		29,543												
20-Aug-10	20		29,217												
21-Aug-10	17		24,865												
22-Aug-10	19		27,259												
23-Aug-10	23		32,570	0.00	0.00	84.21	17.38	0.00							
24-Aug-10	27		39,212												
25-Aug-10	16		23,469												
26-Aug-10	16		22,745												
27-Aug-10	12		16,836												
28-Aug-10	15		21,635												
29-Aug-10	13		18,469												
30-Aug-10	14		19,626	0.00	0.00	47.47	0.00	0.00	218000	11000	130	629			
31-Aug-10	14		19,479												

VAN DE MARK CHEMICAL INC. DECEMBER 2010 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Dec-10	23		33,435												
2-Dec-10	18		26,257												
3-Dec-10	10		14,463												
4-Dec-10	14		20,359												
5-Dec-10	16		23,438												
6-Dec-10	16		22,399	0.00	16.81	0.00	18.68	0.00	49050	36525	ND	ND			
7-Dec-10	17		24,258												
8-Dec-10	12		17,443												
9-Dec-10	18		25,811												
10-Dec-10	15		22,000												
11-Dec-10	16		22,550												
12-Dec-10	10		14,274												
13-Dec-10	20		29,293	0.00	0.00	0.00	0.00	0.00							
14-Dec-10	18		26,425												
15-Dec-10	18		25,284												
16-Dec-10	13		19,391												
17-Dec-10	12		17,874												
18-Dec-10	12		17,253												
19-Dec-10	13		18,071												
20-Dec-10	14		19,444	0.00	0.00	0.00	64.87	0.00							
21-Dec-10	14		20,770												
22-Dec-10	11		15,927												
23-Dec-10	10		14,758												
24-Dec-10	8		11,785												
25-Dec-10	8		12,237												
26-Dec-10	9		12,899												
27-Dec-10	9		12,349	0.00	0.00	0.00	19.57	0.00							
28-Dec-10	8		11,267												
29-Dec-10	12		16,614												
30-Dec-10	14		20,291												
31-Dec-10	12		17,953												

VAN DE MARK CHEMICAL INC. FEBRUARY 2010 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Feb-10	11		15,185	0.00	291.28	0.00	0.00	79.79	969.00	2860	ND	6.41			
2-Feb-10	31		44,161												
3-Feb-10	17		24,687												
4-Feb-10	13		18,316												
5-Feb-10	11		15,409												
6-Feb-10	11		15,224												
7-Feb-10	11		15,491												
8-Feb-10	15		21,746	0.00	217.64	96.12	0.00	68.92							
9-Feb-10	16		22,737												
10-Feb-10	17		25,039												
11-Feb-10	15		20,983												
12-Feb-10	15		21,177												
13-Feb-10	13		18,130												
14-Feb-10	12		17,065												
15-Feb-10	10		13,945	0.00	0.00	32.57	0.00	8.02	ND	15720	ND	10.9			
16-Feb-10	14		20,839												
17-Feb-10	10		13,753												
18-Feb-10	13		19,037												
19-Feb-10	12		16,790												
20-Feb-10	7		10,281												
21-Feb-10	7		10,571												
22-Feb-10	12		17,379	0.00	0.00	31.89	0.00	0.00							
23-Feb-10	12		16,802												
24-Feb-10	12		16,566												
25-Feb-10	10		14,533												
26-Feb-10	10		14,769												
27-Feb-10	10		14,352												
28-Feb-10	14		20,633												

VAN DE MARK CHEMICAL INC. JANUARY 2010 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Jan-10	9	13,477												
2-Jan-10	9	13,204												
3-Jan-10	9	12,501												
4-Jan-10	10	14,891	0.00	0.00	5.22	0.00	0.00	131000	21300	ND	ND			
5-Jan-10	15	20,943												
6-Jan-10	16	23,578												
7-Jan-10	12	17,716												
8-Jan-10	10	13,693												
9-Jan-10	9	13,229												
10-Jan-10	9	13,025												
11-Jan-10	11	15,861	0.00	0.00	0.00	0.00	0.00							
12-Jan-10	12	17,595												
13-Jan-10	12	17,926												
14-Jan-10	9	13,572												
15-Jan-10	14	19,779												
16-Jan-10	11	15,473												
17-Jan-10	11	16,246												
18-Jan-10	14	19,518	0.00	0.00	0.00	0.00	0.00	7.18	25.90	ND	ND			
19-Jan-10	12	17,300												
20-Jan-10	10	14,785												
21-Jan-10	6	8,379												
22-Jan-10	8	11,698												
23-Jan-10	10	15,031												
24-Jan-10	11	15,576												
25-Jan-10	18	26,042	0.00	62.99	0.00	0.00	0.00							
26-Jan-10	15	20,994												
27-Jan-10	11	16,044												
28-Jan-10	12	17,358												
29-Jan-10	8	11,788												
30-Jan-10	8	11,415												
31-Jan-10	9	12,557												

VAN DE MARK CHEMICAL INC. MAY 2010 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Jul-10	19	26,856												
2-Jul-10	18	25,850												
3-Jul-10	13	18,525												
4-Jul-10	9	12,488												
5-Jul-10	8	12,115	3.03	0.00	4.45	0.00	0.00	ND	21300	78.6	125			
6-Jul-10	34	48,846												
7-Jul-10	53	76,257												
8-Jul-10	18	25,630												
9-Jul-10	17	24,053												
10-Jul-10	12	17,351												
11-Jul-10	13	19,155												
12-Jul-10	18	25,761	98.83	0.00	0.00	34.38	0.00							
13-Jul-10	15	21,664												
14-Jul-10	20	29,056												
15-Jul-10	15	21,379												
16-Jul-10	11	15,881												
17-Jul-10	9	12,655												
18-Jul-10	8	11,133												
19-Jul-10	17	24,104	54.28	0.00	0.00	0.00	0.00	ND	831	40.2	33.3			
20-Jul-10	17	25,074												
21-Jul-10	16	23,154												
22-Jul-10	17	24,522												
23-Jul-10	19	27,250												
24-Jul-10	15	22,041												
25-Jul-10	16	22,818												
26-Jul-10	17	24,176	0.00	0.00	0.00	0.00	0.00							
27-Jul-10	18	26,534												
28-Jul-10	19	27,505												
29-Jul-10	18	26,021												
30-Jul-10	17	25,008												
31-Jul-10	14	19,730												

VAN DE MARK CHEMICAL INC. MAY 2010 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Jun-10	20		29,371												
2-Jun-10	19		27,587												
3-Jun-10	17		24,981												
4-Jun-10	13		18,137												
5-Jun-10	7		10,620												
6-Jun-10	13		18,414												
7-Jun-10	10		14,498	0.00	0.00	38.69	2176.44	0.00							
8-Jun-10	10		14,643												
9-Jun-10	13		18,469												
10-Jun-10	13		18,663												
11-Jun-10	11		15,967												
12-Jun-10	15		22,183												
13-Jun-10	13		19,005												
14-Jun-10	14		19,605	0.00	0.00	7.36	57.23	0.00	27900.00	101000	40.5	64.2			
15-Jun-10	18		25,405												
16-Jun-10	17		23,761												
17-Jun-10	18		25,548												
18-Jun-10	11		16,537												
19-Jun-10	6		8,461												
20-Jun-10	7		9,635												
21-Jun-10	11		16,400	930.08	0.00	9.98	3.69	0.00	2180.00	43000	ND	671			
22-Jun-10	14		20,059												
23-Jun-10	15		21,856												
24-Jun-10	17		24,207												
25-Jun-10	8		11,947												
26-Jun-10	13		19,228												
27-Jun-10	14		19,639												
28-Jun-10	21		30,848	46.31	0.00	0.00	13.89	0.00							
29-Jun-10	22		31,273												
30-Jun-10	16		22,582												
			599,531												

VAN DE MARK CHEMICAL INC. MARCH 2010 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Mar-10	18	25,868	0.00	0.00	0.00	21.57	0.00	ND	ND					
2-Mar-10	13	18,960												
3-Mar-10	12	17,468												
4-Mar-10	12	17,101												
5-Mar-10	10	14,181												
6-Mar-10	9	13,320												
7-Mar-10	9	13,315												
8-Mar-10	13	18,346	0.00	0.00	0.00	0.00	0.00							
9-Mar-10	12	17,746												
10-Mar-10	16	22,938												
11-Mar-10	16	23,389												
12-Mar-10	14	20,563												
13-Mar-10	11	15,277												
14-Mar-10	12	16,947												
15-Mar-10	14	19,642	0.00	0.00	0.00	9.83	0.00	88.10	176	ND	8.07			
16-Mar-10	14	19,479												
17-Mar-10	11	16,468												
18-Mar-10	9	13,241												
19-Mar-10	11	15,129												
20-Mar-10	8	11,222												
21-Mar-10	9	12,266												
22-Mar-10	10	14,818	0.00	0.00	5.93	0.00	0.00							
23-Mar-10	15	21,061												
24-Mar-10	15	21,149												
25-Mar-10	13	19,093												
26-Mar-10	10	13,930												
27-Mar-10	8	11,257												
28-Mar-10	9	12,275												
29-Mar-10	16	22,837	0.00	0.00	0.00	34.28	0.00	5.30	39	ND	6.29			
30-Mar-10	13	18,261												
31-Mar-10	14	20,226												

VAN DE MARK CHEMICAL INC. MAY 2010 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-May-10	16	23,688												
2-May-10	17	23,810												
3-May-10	16	22,523	0.00	0.00	12.02	0.00	0.00							
4-May-10	19	27,281												
5-May-10	13	18,048												
6-May-10	4	5,937												
7-May-10	11	16,141												
8-May-10	18	25,419												
9-May-10	62	89,662												
10-May-10	10	13,956	0.00	0.00	0.00	9.09	0.00	29.50	ND	ND	ND			
11-May-10	9	12,561												
12-May-10	19	26,663												
13-May-10	21	29,947												
14-May-10	13	19,007												
15-May-10	19	27,038												
16-May-10	12	17,550												
17-May-10	12	17,034	0.00	44.75	12.00	0.00	13.57							
18-May-10	15	20,956												
19-May-10	11	16,398												
20-May-10	8	11,737												
21-May-10	7	10,047												
22-May-10	8	11,365												
23-May-10	11	16,387												
24-May-10	15	21,640	0.00	72.19	0.00	5.78	13.90	25.90	ND	5.7	ND			
25-May-10	23	33,678												
26-May-10	15	21,501												
27-May-10	14	20,156												
28-May-10	14	19,528												
29-May-10	14	19,607												
30-May-10	14	20,304												
31-May-10	14	20,846												

VAN DE MARK CHEMICAL INC. NOVEMBER 2010 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Nov-10	14		20,409	0.00	221.28	0.00	0.00	80.00							
2-Nov-10	18		25,550												
3-Nov-10	24		34,945												
4-Nov-10	16		22,495												
5-Nov-10	20		28,397												
6-Nov-10	19		28,069												
7-Nov-10	19		27,611												
8-Nov-10	12		17,021	0.00	18.45	42.59	0.00	61.04							
9-Nov-10	18		25,895												
10-Nov-10	19		27,270												
11-Nov-10	20		28,456												
12-Nov-10	17		24,678												
13-Nov-10	14		19,725												
14-Nov-10	14		20,438												
15-Nov-10	14		19,708	0.00	0.00	0.00	0.00	0.00							
16-Nov-10	14		20,302												
17-Nov-10	24		34,108												
18-Nov-10	17		24,149												
19-Nov-10	13		18,813												
20-Nov-10	8		11,367												
21-Nov-10	6		8,948												
22-Nov-10	7		9,590	0.00	0.00	25.59	0.00	0.00	ND	5590	55.9	ND			
23-Nov-10	12		16,585												
24-Nov-10	10		14,693												
25-Nov-10	9		12,867												
26-Nov-10	10		14,906												
27-Nov-10	11		15,456												
28-Nov-10	9		13,133												
29-Nov-10	14		20,565	0.00	0.00	13.72	0.00	0.00							
30-Nov-10	15		21,081												

VAN DE MARK CHEMICAL INC. OCTOBER 2010 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Oct-10	53		76,072												
2-Oct-10	59		84,400												
3-Oct-10	54		78,305												
4-Oct-10	54		78,473	0.00	0.00	0.00	0.00	0.00							
5-Oct-10	54		77,660												
6-Oct-10	38		55,226												
7-Oct-10	57		81,901												
8-Oct-10	48		68,830												
9-Oct-10	8		11,060												
10-Oct-10	7		9,953												
11-Oct-10	1		1,057	0.00	0.00	0.00	0.00	0.00	155	244	143	45.3			
12-Oct-10	9		12,913												
13-Oct-10	10		14,538												
14-Oct-10	7		9,470												
15-Oct-10	9		13,506												
16-Oct-10	11		15,165												
17-Oct-10	13		18,770												
18-Oct-10	20		28,663	0.00	0.00	0.00	0.00	0.00	ND	ND					
19-Oct-10	17		24,818												
20-Oct-10	16		23,479												
21-Oct-10	15		21,492												
22-Oct-10	10		14,613												
23-Oct-10	10		13,970												
24-Oct-10	14		20,118												
25-Oct-10	19		26,694	0.00	267.16	12.47	8.91	14.25	51300	8890	520	158			
26-Oct-10	16		23,167												
27-Oct-10	15		21,193												
28-Oct-10	15		21,155												
29-Oct-10	14		19,478												
30-Oct-10	10		14,570												
31-Oct-10	14		20,367												

VAN DE MARK CHEMICAL INC. SEPTEMBER 2010 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Sep-10	20	29,149												
2-Sep-10	17	24,676												
3-Sep-10	21	30,832												
4-Sep-10	18	26,142												
5-Sep-10	11	15,780												
6-Sep-10	14	20,298	0.00	0.00	0.00	0.00	0.00							
7-Sep-10	19	27,562												
8-Sep-10	22	31,387												
9-Sep-10	22	31,008												
10-Sep-10	21	30,327												
11-Sep-10	15	22,201												
12-Sep-10	18	25,456												
13-Sep-10	15	21,875	0.00	0.00	0.00	0.00	0.00	1140	147	1160	151			
14-Sep-10	23	32,864												
15-Sep-10	23	33,782												
16-Sep-10	15	22,226												
17-Sep-10	14	20,518												
18-Sep-10	10	14,449												
19-Sep-10	13	18,282												
20-Sep-10	13	18,295	0.00	0.00	0.00	0.00	0.00							
21-Sep-10	13	18,161												
22-Sep-10	13	19,167												
23-Sep-10	12	16,869												
24-Sep-10	13	18,034												
25-Sep-10	8	11,869												
26-Sep-10	17	24,737												
27-Sep-10	67	97,068	30.76	0.00	0.00	0.00	0.00	4550.00	381	1.67	89.8			
28-Sep-10	64	92,563												
29-Sep-10	58	83,831												
30-Sep-10														

DATE	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
								MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Jan-12	13	18,133												
2-Jan-12	14	20,720	5.88	123.56	0.00	0.00	25.92							
3-Jan-12	15	21,524						134.00	23900.00	0.00	17.60			
4-Jan-12	10	15,013												
5-Jan-12	18	25,723												
6-Jan-12	17	24,061												
7-Jan-12	16	22,405												
8-Jan-12	15	21,672												
9-Jan-12	16	22,398	0.00	100.87	12.70	0.00	63.51							
10-Jan-12	15	21,388												
11-Jan-12	16	22,491												
12-Jan-12	20	28,870												
13-Jan-12	13	18,173												
14-Jan-12	17	24,591												
15-Jan-12	14	19,779												
16-Jan-12	9	12,480	0.00	44.76	38.51	0.00	22.90	299.00	2160.00	1820.00	532.00			
17-Jan-12	20	28,320												
18-Jan-12	28	40,982												
19-Jan-12	20	28,475												
20-Jan-12	20	28,127												
21-Jan-12	12	17,836												
22-Jan-12	11	15,679												
23-Jan-12	24	34,955	0.00	52.47	0.00	34.98	26.24							
24-Jan-12	24	34,006												
25-Jan-12	10	13,977												
26-Jan-12	10	14,484												
27-Jan-12	21	30,247												
28-Jan-12	17	24,944												
29-Jan-12	14	19,522												
30-Jan-12	13	19,016												
31-Jan-12	23	33,417	0.00	0.00	0.00	16.72	0.00	256.00	43.50	0.00	0.00			

	DEA mg/L	POH mg/L	PNBC mg/L	Methanol mg/L	NBA mg/L	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
						MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Jan-12												
2-Jan-12	34	715	0	0	150							
3-Jan-12						134	23900	0	17.6			
4-Jan-12												
5-Jan-12												
6-Jan-12												
7-Jan-12												
8-Jan-12												
9-Jan-12	0	540	68	0	340							
10-Jan-12												
11-Jan-12												
12-Jan-12												
13-Jan-12												
14-Jan-12												
15-Jan-12												
16-Jan-12	0	430	370	0	220	299	2160	1820	532			
17-Jan-12												
18-Jan-12												
19-Jan-12												
20-Jan-12												
21-Jan-12												
22-Jan-12												
23-Jan-12	0	180	0	120	90							
24-Jan-12												
25-Jan-12												
26-Jan-12												
27-Jan-12												
28-Jan-12												
29-Jan-12												
30-Jan-12												
31-Jan-12	0	0	0	60	0	256	43.5	0	0			

VAN DE MARK CHEMICAL INC. FEBRUARY 2012 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Feb-12	20		29,500												
2-Feb-12	18		25,344												
3-Feb-12	16		22,472												
4-Feb-12	14		19,997												
5-Feb-12	13		18,849												
6-Feb-12	17		24,234	0.00	0.00	0.00	0.00	0.00							
7-Feb-12	19		27,163												
8-Feb-12	15		21,159												
9-Feb-12	12		17,121												
10-Feb-12	13		18,973												
11-Feb-12	13		18,715												
12-Feb-12	13		18,356												
13-Feb-12	11		16,250	0.00	0.00	0.00	6.64	0.00							
14-Feb-12	10		14,942						0.00	0.00	0.00	0.00			
15-Feb-12	16		22,691												
16-Feb-12	16		22,324												
17-Feb-12	20		28,163												
18-Feb-12	17		23,769												
19-Feb-12	12		16,954												
20-Feb-12	11		16,448	0.00	0.00	0.00	0.00	0.00							
21-Feb-12	9		13,615												
22-Feb-12	17		24,602												
23-Feb-12	15		21,562												
24-Feb-12	16		23,732												
25-Feb-12	29		42,230												
26-Feb-12	20		28,623												
27-Feb-12	6		9,128	0.00	0.00	0.00	23.60	0.00							
28-Feb-12	14		20,758						0.00	0.00	45.90	11.20			
29-Feb-12	14		20,480												

	DEA mg/L	POH mg/L	PNBC mg/L	Methanol mg/L	NBA mg/L	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
						MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
1-Feb-12												
2-Feb-12												
3-Feb-12												
4-Feb-12												
5-Feb-12												
6-Feb-12	0	0	0	0	0							
7-Feb-12												
8-Feb-12												
9-Feb-12												
10-Feb-12												
11-Feb-12												
12-Feb-12												
13-Feb-12	0	0	0	49	0							
14-Feb-12						0	0	0	0			
15-Feb-12												
16-Feb-12												
17-Feb-12												
18-Feb-12												
19-Feb-12												
20-Feb-12	0	0	0	0	0							
21-Feb-12												
22-Feb-12												
23-Feb-12												
24-Feb-12												
25-Feb-12												
26-Feb-12												
27-Feb-12	0	0	0	310	0							
28-Feb-12						0	0	45.9	11.2			
29-Feb-12												

VAN DE MARK CHEMICAL INC. MARCH 2012 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM	GPD							Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
			DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day		MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			
LIMIT			137.00	200.00	53.00	NA	199.00								
1-Mar-12	17	25,057													
2-Mar-12	17	24,233													
3-Mar-12	19	26,805													
4-Mar-12	17	23,995													
5-Mar-12	12	17,712	0.00	0.00	0.00	10.64	0.00								
6-Mar-12	23	32,807													
7-Mar-12	24	35,154													
8-Mar-12	20	29,298													
9-Mar-12	18	25,354													
10-Mar-12	18	25,994													
11-Mar-12	16	23,178													
12-Mar-12	20	28,109													
13-Mar-12	16	23,204	0.00	0.00	0.00	38.12	0.00	0.00	0.00	0.00	0.00				
14-Mar-12	14	20,878													
15-Mar-12	15	22,192													
16-Mar-12	21	30,521													
17-Mar-12	19	27,240													
18-Mar-12	17	24,859													
19-Mar-12	24	34,529	0.00	120.95	0.00	69.11	23.33								
20-Mar-12	26	38,130													
21-Mar-12	25	35,806													
22-Mar-12	22	32,086													
23-Mar-12	16	22,776													
24-Mar-12	8	12,096													
25-Mar-12	12	16,659													
26-Mar-12	17	24,714	0.00	90.69	0.00	72.14	26.80								
27-Mar-12	30	42,988						560.00	0.00	28.30	33.10				
28-Mar-12	29	42,062													
29-Mar-12	17	24,447													
30-Mar-12	11	15,648													
31-Mar-12	11	15,807													

Carbon beds changed:
\\vdmgpldata\Production\PL-16\data\Effluent\Discharge Calculations.xls

						Unit 1		Unit 2				
	DEA mg/L	NBA mg/L	Methanol mg/L	POH mg/L	PNBC mg/L	Toluene ug/l	MCB ug/l	Toluene ppb	MCB ug/l	SBOH ppm	Icaridin ppm	HEPP ppm
1-Mar-12												
2-Mar-12												
3-Mar-12												
4-Mar-12												
5-Mar-12	0	0	72	0	0							
6-Mar-12												
7-Mar-12												Changed carbon bed
8-Mar-12												
9-Mar-12												
10-Mar-12												
11-Mar-12												
12-Mar-12												
13-Mar-12	0	0	197	0	0	0	0	0	0			
14-Mar-12												
15-Mar-12												
16-Mar-12												
17-Mar-12												
18-Mar-12												
19-Mar-12	0	81	240	420	0							Changed carbon bed
20-Mar-12												
21-Mar-12												
22-Mar-12												
23-Mar-12												
24-Mar-12												
25-Mar-12												
26-Mar-12	0	130	350	440	0							
27-Mar-12						0	560	33.1	28.3			
28-Mar-12												
29-Mar-12												
30-Mar-12												Changed carbon bed
31-Mar-12												

DATE	MAX Daily Flow GPM	Flow from D Area GPD	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day N/A	NBA #/day 199.00	Unit 1		Unit 2		Comments	SBOH ppm	Icaridin ppm	HEPP ppm
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb				
1-Apr-12	14		20,479													
2-Apr-12	20		28,703	10.53	0.00	0.00	10.05	7.66					Changed carb			
3-Apr-12	20		28,756													
4-Apr-12	21		30,246													
5-Apr-12	15		21,441													
6-Apr-12	14		20,542													
7-Apr-12	11		15,236													
8-Apr-12	14		19,646													
9-Apr-12	16		22,862	419.47	0.00	0.00	0.00	0.00					Changed carb			
10-Apr-12	21		29,552						803.00	97.00	15.00	0.00				
11-Apr-12	11		15,398													
12-Apr-12	11		16,425										Changed carb			
13-Apr-12	14		20,028													
14-Apr-12	9		13,156													
15-Apr-12	12		16,735													
16-Apr-12	21		30,365	0.00	0.00	0.00	48.12	0.00								
17-Apr-12	20		28,100													
18-Apr-12	22		31,140													
19-Apr-12	18		25,292										Changed carb			
20-Apr-12	13		18,572													
21-Apr-12	11		16,206													
22-Apr-12	14		20,194													
23-Apr-12	16		22,991	72.86	0.00	0.00	0.00	0.00								
24-Apr-12	24		34,399													
25-Apr-12	23		33,197													
26-Apr-12	67	21,214	96,976													
27-Apr-12	105	18,039	150,655													
28-Apr-12	110	16,166	159,046													
29-Apr-12	94	15,528	135,727													
30-Apr-12	104	15,258	149,443	0.00	39.45	0.00	0.00	0.00								

Unit 1

Unit 2

	DEA mg/L	NBA mg/L	Methanol mg/L	POH mg/L	PNBC mg/L	Toluene ug/l	MCB ug/l	Toluene ppb	MCB ug/l	SBOH ppm	Icaridin ppm	HEPP ppm
1-Apr-12												
2-Apr-12	44	32	42	0	0							
3-Apr-12												
4-Apr-12												
5-Apr-12												
6-Apr-12												
7-Apr-12												
8-Apr-12												
9-Apr-12	2200	0	0	0	0							
10-Apr-12						97	803	0	15			
11-Apr-12												
12-Apr-12												
13-Apr-12												
14-Apr-12												
15-Apr-12												
16-Apr-12	0	0	190	0	0							
17-Apr-12												
18-Apr-12												
19-Apr-12												
20-Apr-12												
21-Apr-12												
22-Apr-12												
23-Apr-12	380	0	0	0	0							
24-Apr-12												
25-Apr-12												
26-Apr-12												
27-Apr-12												
28-Apr-12												
29-Apr-12												
30-Apr-12	0	0	0	310	0							

Date	MAX Daily Flow GPM	Flow from D Area	GPD	DEA lbs/day	NBA lbs/day	Methanol lbs/day	POH lbs/day	PNBC lbs/day	Unit 1		Unit 2		Comments	SBOH ppm	Icaridin ppm	HEPP ppm
									Toluene µg/l	MCB µg/l	Toluene µg/l	MCB µg/l				
1-May-12	104	14,807	150,116	137.00	199.00	NA	200.00	53.00								
2-May-12	106	17,359	152,739													
3-May-12	99	19,057	142,547													
4-May-12	67	12,356	96,874													
5-May-12	12		17,043													
6-May-12	9		13,091													
7-May-12	15		22,308	0.00	42.98	0.00	54.33	7.27					Changed carbon bed			
8-May-12	25		36,461						4.77	1.98	0.00	0.00				
9-May-12	34		48,835													
10-May-12	16		22,477													
11-May-12	12		17,921													
12-May-12	10		14,956													
13-May-12	10		14,209													
14-May-12	16		22,780	0.00	31.92	16.30	121.59	0.00								
15-May-12	17		24,116													
16-May-12	23		33,179										Changed carbon bed			
17-May-12	27		38,485													
18-May-12	13		18,546													
19-May-12	14		19,795													
20-May-12	11		15,131													
21-May-12	15		21,962	17.71	16.92	6.98	41.76	62.64					Changed carbon bed			
22-May-12	21		29,741						0.00	0.00	0.00	0.00				
23-May-12	22		32,179													
24-May-12	20		29,484													
25-May-12	14		20,088													
26-May-12	10		14,329													
27-May-12	20		28,629													
28-May-12	18		25,977	0.00	9.21	0.00	0.00	137.79								
29-May-12	21		29,551													
30-May-12	18		26,354										Changed carbon bed			
31-May-12	9		13,580													

Flows: Carbon beds changed: \\vdmpdc\data\EHSO\Safety\Shared\Bo Bilicki\2012\2012 daily wat \\vdmpdc\data\Production\Pr-16 data\Effluent Discharge Calculations.xls

						Unit 1		Unit 2					
	DEA mg/L	NBA mg/L	Methanol mg/L	POH mg/L	PNBC mg/L	Toluene ug/l	MCB ug/l	Toluene ug/l	MCB ug/l	SBOH ppm	Icaridin ppm	HEPP ppm	
1-May-12													
2-May-12													
3-May-12													
4-May-12													
5-May-12													
6-May-12													
7-May-12	0	231	0	292	39.1								
8-May-12						15.7	6.5	0	0				
9-May-12													
10-May-12													
11-May-12													
12-May-12													
13-May-12													
14-May-12	0	168	85.8	640	0								
15-May-12													
16-May-12													
17-May-12													
18-May-12													
19-May-12													
20-May-12													
21-May-12	96.7	92.4	38.1	228	342								
22-May-12						0	0	0	0				
23-May-12													
24-May-12													
25-May-12													
26-May-12													
27-May-12													
28-May-12	0	42.5	0	0	636								
29-May-12													
30-May-12													
31-May-12													

Date	MAX Daily Flow GPM	GPD	DEA lbs/day 137.00	NBA lbs/day 199.00	Methanol lbs/day NA	POH lbs/day 200.00	PNBC lbs/day 53.00	Unit 1		Unit 2		Comments	SBOH ppm	Icaridin ppm	HEPP ppm
								Toluene µg/l	MCB µg/l	Toluene µg/l	MCB µg/l				
1-Jun-12	10	13,832													
2-Jun-12	14	19,583													
3-Jun-12	8	12,107													
4-Jun-12	19	28,050	0.00	0.00	0.00	0.00	0.00								
5-Jun-12	14	19,978						0.00	0.00	0.00	0.00				
6-Jun-12	13	19,072													
7-Jun-12	8	12,237													
8-Jun-12	12	16,673													
9-Jun-12	9	12,276													
10-Jun-12	6	9,114													
11-Jun-12	15	21,625	0.00	0.00	0.00	0.00	0.00								
12-Jun-12	25	35,855													
13-Jun-12	25	36,449													
14-Jun-12	19	27,609													
15-Jun-12	17	24,340													
16-Jun-12	8	12,228													
17-Jun-12	5	7,901													
18-Jun-12	10	14,765	0.00	0.00	0.00	13.55	0.00								
19-Jun-12	19	26,721						0.00	0.00	0.00	0.00				
20-Jun-12	14	20,703													
21-Jun-12	10	14,010													
22-Jun-12	9	12,491													
23-Jun-12	7	9,944													
24-Jun-12	7	9,927										Changed carbon bed			
25-Jun-12	11	15,127	0.00	21.45	0.00	21.45	0.00								
26-Jun-12	18	25,396													
27-Jun-12	16	22,907													
28-Jun-12	12	17,470													
29-Jun-12	7	10,662													
30-Jun-12	7	10,653													

Flows: Carbon beds changed:
\\vdmpdc\data\EHSQ\Safety\Shared\Bo Bilicki\2012\2012 daily waste \\vdmpdc\data\Production\PT-16 data\Effluent Discharge Calculations.xls

	Unit 1					Unit 2				SBOH ppm	Icaridin ppm	HEPP ppm
	DEA mg/L	NBA mg/L	Methanol mg/L	POH mg/L	PNBC mg/L	Toluene ug/l	MCB ug/l	Toluene ug/l	MCB ug/l			
1-Jun-12												
2-Jun-12												
3-Jun-12												
4-Jun-12	0	0	0	0	0							
5-Jun-12						0	0	0	0			
6-Jun-12												
7-Jun-12												
8-Jun-12												
9-Jun-12												
10-Jun-12												
11-Jun-12	0	0	0	0	0							
12-Jun-12												
13-Jun-12												
14-Jun-12												
15-Jun-12												
16-Jun-12												
17-Jun-12												
18-Jun-12	0	0	0	110	0							
19-Jun-12						0	0	0	0			
20-Jun-12												
21-Jun-12												
22-Jun-12												
23-Jun-12												
24-Jun-12												
25-Jun-12	0	170	0	170	0							
26-Jun-12												
27-Jun-12												
28-Jun-12												
29-Jun-12												
30-Jun-12												

VAN DE MARK CHEMICAL INC. JULY 2012 FLOWS AND ANALYTICAL

Date	MAX Daily Flow GPM	GPD	DEA lbs/day 137.00	NBA lbs/day 199.00	Methanol lbs/day NA	POH lbs/day 200.00	PNBC lbs/day 53.00	Unit 1		Unit 2		Comments	SBOH ppm	Icaridin ppm	HEPP ppm
								Toluene µg/l	MCB µg/l	Toluene µg/l	MCB µg/l				
1-Jul-12	8	11,339													
2-Jul-12	12	17,744	0.00	12.19	0.00	25.16	10.18					Changed carbon bed			
3-Jul-12	21	29,942						6.17	3.00	6.24	18.03				
4-Jul-12	13	18,945													
5-Jul-12	5	7,591													
6-Jul-12	10	13,878										Changed carbon bed			
7-Jul-12	9	13,648													
8-Jul-12	11	15,604													
9-Jul-12	18	26,638	0.00	0.00	0.00	0.00	0.00								
10-Jul-12	20	28,520													
11-Jul-12	19	27,942													
12-Jul-12	12	17,166													
13-Jul-12	8	12,056													
14-Jul-12	9	12,257													
15-Jul-12	8	11,558													
16-Jul-12	13	18,796	0.00	0.00	0.00	0.00	39.19								
17-Jul-12	12	16,908						45.41	26.23	3.91	4.51	Changed carbon bed			
18-Jul-12	14	19,578													
19-Jul-12	14	20,719													
20-Jul-12	15	21,552													
21-Jul-12	15	22,046													
22-Jul-12	9	13,479													
23-Jul-12	20	28,771	0.00	0.00	0.00	0.00	0.00								
24-Jul-12	26	37,854													
25-Jul-12	23	32,988													
26-Jul-12	22	32,316													
27-Jul-12	12	17,585													
28-Jul-12	13	18,600													
29-Jul-12	13	19,100													
30-Jul-12	18	26,422	0.00	0.00	0.00	0.00	0.00					Changed carbon bed			
31-Jul-12	20	28,612						3.98	12.05	0.55	7.25				

Flows:

Carbon beds changed:

\\vdmpdc\data\EHSO\Safety\Shared\Bo Bilicki\2012\2012 daily wat \\vdmpdc\data\Production\Pt-16 data\Effluent Discharge Calculations.xls

	DEA mg/L	NBA mg/L	Methanol mg/L	POH mg/L	PNBC mg/L	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
						Toluene ug/l	MCB ug/l	Toluene ug/l	MCB ug/l			
1-Jul-12												
2-Jul-12	0	82.4	0	170	68.8							
3-Jul-12						24.7	12	25	72.2			
4-Jul-12												
5-Jul-12												
6-Jul-12												
7-Jul-12												
8-Jul-12												
9-Jul-12	0	0	0	0	0							
10-Jul-12												
11-Jul-12												
12-Jul-12												
13-Jul-12												
14-Jul-12												
15-Jul-12												
16-Jul-12	0	0	0	0	250							
17-Jul-12						322	186	27.7	32			
18-Jul-12												
19-Jul-12												
20-Jul-12												
21-Jul-12												
22-Jul-12												
23-Jul-12	0	0	0	0	0							
24-Jul-12												
25-Jul-12												
26-Jul-12												
27-Jul-12												
28-Jul-12												
29-Jul-12												
30-Jul-12	0	0	0	0	0							
31-Jul-12						16.7	50.5	2.3	30.4			

VAN DE MARK CHEMICAL INC. AUGUST 2012 FLOWS AND ANALYTICAL

Date	MAX Daily Flow GPM	GPD	DEA lbs/day 137.00	NBA lbs/day 199.00	Methanol lbs/day NA	POH lbs/day 200.00	PNBC lbs/day 53.00	Unit 1		Unit 2		Comments	SBOH ppm	Icaridin ppm	HEPP ppm
								Toluene µg/l	MCB µg/l	Toluene µg/l	MCB µg/l				
1-Aug-12	25	35,607													
2-Aug-12	21	30,842													
3-Aug-12	17	24,973													
4-Aug-12	12	17,396													
5-Aug-12	15	22,223													
6-Aug-12	19	28,042	0.00	0.00	0.00	0.00	0.00								
7-Aug-12	14	20,041													
8-Aug-12	13	19,033													
9-Aug-12	18	25,813													
10-Aug-12	18	25,540													
11-Aug-12	10	14,213													
12-Aug-12	10	14,045													
13-Aug-12	12	17,492	0.00	0.00	0.00	0.00	0.00								
14-Aug-12	12	17,806						0.80	5.20	0.00	1.26				
15-Aug-12	13	19,060													
16-Aug-12	21	30,891													
17-Aug-12	27	39,495													
18-Aug-12	11	15,469													
19-Aug-12	14	20,148													
20-Aug-12	17	24,418	0.00	0.00	8.55	0.00	0.00					Changed carbon bed.			
21-Aug-12	19	26,805													
22-Aug-12	18	26,019													
23-Aug-12	20	28,745													
24-Aug-12	17	25,194													
25-Aug-12	10	14,866													
26-Aug-12	14	20,544													
27-Aug-12	18	26,316	0.00	0.00	987.65	0.00	0.00					Changed carbon bed.			
28-Aug-12	21	30,803						0.00	25.43	0.00	0.00				
29-Aug-12	23	32,695													
30-Aug-12	10	14,836													
31-Aug-12	11	15,966										Changed carbon bed.			

Flows: Carbon beds changed:
\\vdmpdc\data\EHSO\Safety\Shared\Bo Bilick\2012\2012 daily water \\vdmpdc\data\Production\Pt-16 data\Effluent Discharge Calculations.xls

	DEA mg/L	NBA mg/L	Methanol mg/L	POH mg/L	PNBC mg/L	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
						Toluene ug/l	MCB ug/l	Toluene ug/l	MCB ug/l			
1-Aug-12												
2-Aug-12												
3-Aug-12												
4-Aug-12												
5-Aug-12												
6-Aug-12	0	0	0	0	0							
7-Aug-12												
8-Aug-12												
9-Aug-12												
10-Aug-12												
11-Aug-12												
12-Aug-12												
13-Aug-12	0	0	0	0	0							
14-Aug-12						5.4	35	0	8.5			
15-Aug-12												
16-Aug-12												
17-Aug-12												
18-Aug-12												
19-Aug-12												
20-Aug-12	0	0	42	0	0							
21-Aug-12												
22-Aug-12												
23-Aug-12												
24-Aug-12												
25-Aug-12												
26-Aug-12												
27-Aug-12	0	0	4500	0	0							
28-Aug-12						0	99	0	0			
29-Aug-12												
30-Aug-12												
31-Aug-12												

Date	MAX Daily Flow GPM	GPD	DEA lbs/day 137.00	NBA lbs/day 199.00	Methanol lbs/day NA	POH lbs/day 200.00	PNBC lbs/day 53.00	Unit 1		Unit 2		Comments	SBOH ppm	Icaridin ppm	HEPP ppm
								Toluene mg/l	MCB mg/l	Toluene mg/l	MCB mg/l				
1-Sep-12	20	28,497													
2-Sep-12	15	21,342													
3-Sep-12	15	21,174	0.00	0.00	971.25	0.00	0.00								
4-Sep-12	20	28,977										Changed carbon bed.			
5-Sep-12	11	15,589										Changed carbon bed.			
6-Sep-12	24	33,908													
7-Sep-12	18	26,580										Changed carbon bed.			
8-Sep-12	4	5,879										Changed carbon bed.			
9-Sep-12	12	16,620													
10-Sep-12	17	24,118	0.00	0.00	1508.57	0.00	0.00					Changed carbon bed.			
11-Sep-12	22	31,506										Changed carbon bed.			
12-Sep-12	24	34,422													
13-Sep-12	26	37,755													
14-Sep-12	18	25,599													
15-Sep-12	14	19,645													
16-Sep-12	10	14,310													
17-Sep-12	27	38,420	0.00	0.00	11.86	0.00	0.00								
18-Sep-12	22	31,408										Changed carbon bed.			
19-Sep-12	7	10,509													
20-Sep-12	5	7,835													
21-Sep-12	6	8,259													
22-Sep-12	8	11,290													
23-Sep-12	8	11,934													
24-Sep-12	6	7,997	113.39	0.00	0.00	0.00	0.00								
25-Sep-12	6	8,019													
26-Sep-12	9	12,469						5.57	0.43	0.41	0.43				
27-Sep-12	8	12,053													
28-Sep-12	8	11,543													
29-Sep-12	7	9,746													
30-Sep-12	7	9,616													

	DEA mg/L	NBA mg/L	Methanol mg/L	POH mg/L	PNBC mg/L	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
						Toluene ug/l	MCB ug/l	Toluene ug/l	MCB ug/l			
1-Sep-12												
2-Sep-12												
3-Sep-12	0	0	5500	0	0							
4-Sep-12												
5-Sep-12												
6-Sep-12												
7-Sep-12												
8-Sep-12												
9-Sep-12												
10-Sep-12	0	0	7500	0	0							
11-Sep-12												
12-Sep-12												
13-Sep-12												
14-Sep-12												
15-Sep-12												
16-Sep-12												
17-Sep-12	0	0	37	0	0							
18-Sep-12												
19-Sep-12												
20-Sep-12												
21-Sep-12												
22-Sep-12												
23-Sep-12												
24-Sep-12	1700	0	0	0	0							
25-Sep-12												
26-Sep-12						53.6	4.1	3.9	4.1			
27-Sep-12												
28-Sep-12												
29-Sep-12												
30-Sep-12												

Changed carbon bed

Changed carbon bed

Changed carbon bed

Changed carbon bed

Date	MAX Daily Flow GPM	GPD	DEA lbs/day 137.00	NBA lbs/day 199.00	Methanol lbs/day NA	POH lbs/day 200.00	PNBC lbs/day 53.00	Unit 1		Unit 2		Comments	SBOH ppm	Icaridin ppm	HEPP ppm
								Toluene lbs/day	MCB lbs/day	Toluene lbs/day	MCB lbs/day				
1-Oct-12	5	7,371	58.40	0.00	0.00	0.00	0.00	0.0099	0.0510	0.0099	0.0510				
2-Oct-12	6	8,473													
3-Oct-12	8	11,874										Changed carbon bed.			
4-Oct-12	16	22,348													
5-Oct-12	12	16,887													
6-Oct-12	11	15,658													
7-Oct-12	17	24,186													
8-Oct-12	10	14,587	57.18	0.00	19.46	65.69	0.00								
9-Oct-12	10	14,015						0.0004558	0.0002455	0.0005610	0.0015312				
10-Oct-12	11	16,398													
11-Oct-12	10	14,127													
12-Oct-12	9	13,362													
13-Oct-12	8	11,827													
14-Oct-12	8	10,916										Changed carbon bed.			
15-Oct-12	8	11,232	28.10	0.00	0.00	48.71	0.00								
16-Oct-12	9	12,892													
17-Oct-12	9	13,217													
18-Oct-12	5	7,716													
19-Oct-12	6	8,973													
20-Oct-12	7	9,999													
21-Oct-12	10	14,489													
22-Oct-12	13	18,768	13.15	48.52	5.95	144.00	0.00								
23-Oct-12	14	20,560						0.00	0.00	0.03	0.00				
24-Oct-12	14	19,753										Changed carbon bed.			
25-Oct-12															
26-Oct-12															
27-Oct-12															
28-Oct-12															
29-Oct-12															
30-Oct-12															
31-Oct-12															

	DEA mg/L	NBA mg/L	Methanol mg/L	POH mg/L	PNBC mg/L	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
						Toluene ug/l	MCB ug/l	Toluene ug/l	MCB ug/l			
1-Oct-12	950	0	0	0	0							
2-Oct-12												
3-Oct-12												
4-Oct-12												
5-Oct-12												
6-Oct-12												
7-Oct-12												
8-Oct-12	470	0	160	540	0							
9-Oct-12						3.9	2.1	4.8	13.1			
10-Oct-12												
11-Oct-12												
12-Oct-12												
13-Oct-12												
14-Oct-12												
15-Oct-12	300	0	0	520	0							
16-Oct-12												
17-Oct-12												
18-Oct-12												
19-Oct-12												
20-Oct-12												
21-Oct-12												
22-Oct-12	84	310	38	920	0							
23-Oct-12						24.3	24.3	190	0			
24-Oct-12												
25-Oct-12												
26-Oct-12												
27-Oct-12												
28-Oct-12												
29-Oct-12												
30-Oct-12												
31-Oct-12												

VAN DE MARK CHEMICAL INC. APRIL 2012 FLOWS AND ANALYTICAL

Date	MAX Daily Flow GPM	GPD	DEA lbs/day 137.00	NBA lbs/day 199.00	Methanol lbs/day NA	POH lbs/day 200.00	PNBC lbs/day 53.00	Unit 1		Unit 2		Comments	SBOH ppm	Icaridin ppm	HEPP ppm
								Toluene µg/l	MCB µg/l	Toluene µg/l	MCB µg/l				
1-Nov-12															
2-Nov-12															
3-Nov-12															
4-Nov-12															
5-Nov-12															
6-Nov-12															
7-Nov-12															
8-Nov-12															
9-Nov-12															
10-Nov-12															
11-Nov-12															
12-Nov-12															
13-Nov-12															
14-Nov-12															
15-Nov-12															
16-Nov-12															
17-Nov-12															
18-Nov-12															
19-Nov-12															
20-Nov-12															
21-Nov-12															
22-Nov-12															
23-Nov-12															
24-Nov-12															
25-Nov-12															
26-Nov-12															
27-Nov-12															
28-Nov-12															
29-Nov-12															
30-Nov-12															

Flows: Carbon beds changed:
\\vdmpdc\data\EHSQ\Safety\Shared\Bo Bilicki\2012\2012 daily wat \\vdmpdc\data\Production\Pt-16 data\Effluent Discharge Calculations.xls

	Date	DEA mg/L	NBA mg/L	Methanol mg/L	POH mg/L	PNBC mg/L	Unit 1		Unit 2		SBOH ppm	Icaridin ppm	HEPP ppm
							Toluene ug/l	MCB ug/l	Toluene ug/l	MCB ug/l			
	1-Nov-12												
	2-Nov-12												
	3-Nov-12												
	4-Nov-12												
	5-Nov-12												
	6-Nov-12												
	7-Nov-12												
	8-Nov-12												
	9-Nov-12												
	10-Nov-12												
	11-Nov-12												
	12-Nov-12												
	13-Nov-12												
	14-Nov-12												
	15-Nov-12												
	16-Nov-12												
	17-Nov-12												
	18-Nov-12												
	19-Nov-12												
	20-Nov-12												
	21-Nov-12												
	22-Nov-12												
	23-Nov-12												
	24-Nov-12												
	25-Nov-12												
	26-Nov-12												
	27-Nov-12												
	28-Nov-12												
	29-Nov-12												
	30-Nov-12												

Changed carbon bed

Changed carbon bed

Changed carbon bed

Changed carbon bed

Date	MAX Daily Flow GPM	GPD	DEA lbs/day 137.00	NBA lbs/day 199.00	Methanol lbs/day NA	POH lbs/day 200.00	PNBC lbs/day 53.00	Unit 1		Unit 2		Comments	SBOH ppm	Icaridin ppm	HEPP ppm
								Toluene µg/l	MCB µg/l	Toluene µg/l	MCB µg/l				
1-Dec-12															
2-Dec-12															
3-Dec-12															
4-Dec-12															
5-Dec-12															
6-Dec-12															
7-Dec-12															
8-Dec-12															
9-Dec-12															
10-Dec-12															
11-Dec-12															
12-Dec-12															
13-Dec-12															
14-Dec-12															
15-Dec-12															
16-Dec-12															
17-Dec-12															
18-Dec-12															
19-Dec-12															
20-Dec-12															
21-Dec-12															
22-Dec-12															
23-Dec-12															
24-Dec-12															
25-Dec-12															
26-Dec-12															
27-Dec-12															
28-Dec-12															
29-Dec-12															
30-Dec-12															
31-Dec-12															

						Unit 1		Unit 2					
	DEA mg/L	NBA mg/L	Methanol mg/L	POH mg/L	PNBC mg/L	Toluene ug/l	MCB ug/l	Toluene ug/l	MCB ug/l	SBOH ppm	Icaridin ppm	HEPP ppm	
1-Dec-12													Changed carbon bed
2-Dec-12													
3-Dec-12													
4-Dec-12													
5-Dec-12													
6-Dec-12													Changed carbon bed
7-Dec-12													
8-Dec-12													
9-Dec-12													
10-Dec-12													
11-Dec-12													Changed carbon bed
12-Dec-12													
13-Dec-12													
14-Dec-12													
15-Dec-12													
16-Dec-12													Changed carbon bed
17-Dec-12													
18-Dec-12													
19-Dec-12													
20-Dec-12													
21-Dec-12													Changed carbon bed
22-Dec-12													
23-Dec-12													
24-Dec-12													
25-Dec-12													
26-Dec-12													
27-Dec-12													
28-Dec-12													
29-Dec-12													
30-Dec-12													
31-Dec-12													

VAN DE MARK CHEMICAL INC.JANUARY 2011 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2	
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb
1-Jan-12	13.00		18133.00									
2-Jan-12	14.00		20720.00	5.88	123.56	0.00	0.00	25.92				
3-Jan-12	15.00		21524.00						134.00	23900.00	0.00	17.60
4-Jan-12	10.00		15013.00									
5-Jan-12	18.00		25723.00									
6-Jan-12	17.00		24061.00									
7-Jan-12	16.00		22405.00									
8-Jan-12	15.00		21672.00									
9-Jan-12	15.55		22397.76	0.00	100.87	12.70	0.00	63.51				
10-Jan-12	14.85		21388.04									
11-Jan-12	15.62		22490.62									
12-Jan-12	20.05		28869.93									
13-Jan-12	12.62		18173.46									
14-Jan-12	17.08		24591.20									
15-Jan-12	13.74		19779.31									
16-Jan-12	8.67		12479.79	0.00	44.76	38.51	0.00	22.90	299.00	2160.00	1820.00	532.00
17-Jan-12	19.67		28320.29									
18-Jan-12	28.46		40981.89									
19-Jan-12	19.77		28475.37									
20-Jan-12	19.53		28126.59									
21-Jan-12	12.39		17836.08									
22-Jan-12	10.89		15678.54									
23-Jan-12	24.27		34954.93	0.00	52.47	0.00	34.98	26.24				
24-Jan-12	23.62		34005.90									
25-Jan-12	9.71		13977.46									
26-Jan-12	10.06		14483.79									
27-Jan-12	21.01		30247.20									
28-Jan-12	17.32		24944.01									
29-Jan-12	13.56		19522.46									
30-Jan-12	13.21		19015.54									
31-Jan-12	23.21		33417.18	0.00	0.00	0.00	16.72	0.00	256.00	43.50	0.00	0.00
1-Feb-12	20.49		29499.96									
2-Feb-12	17.60		25343.73									
3-Feb-12	15.61		22471.62									
4-Feb-12	13.89		19997.36									
5-Feb-12	13.09		18848.50									
6-Feb-12	16.83		24233.81	0.00	0.00	0.00	0.00	0.00				
7-Feb-12	18.86		27163.41									
8-Feb-12	14.69		21158.85									
9-Feb-12	11.89		17120.74									
10-Feb-12	13.18		18972.98									
11-Feb-12	13.00		18715.26									
12-Feb-12	12.75		18356.03									
13-Feb-12	11.28		16250.23	0.00	0.00	0.00	6.64	0.00				
14-Feb-12	10.38		14941.51						0.00	0.00	0.00	0.00
15-Feb-12	15.76		22690.76									
16-Feb-12	15.50		22324.38									
17-Feb-12	19.56		28162.79									

VAN DE MARK CHEMICAL INC.JANUARY 2011 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2	
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb
18-Feb-12	16.51		23769.23									
19-Feb-12	11.77		16954.25									
20-Feb-12	11.42		16448.10	0.00	0.00	0.00	0.00	0.00				
21-Feb-12	9.45		13614.51									
22-Feb-12	17.08		24601.74									
23-Feb-12	14.97		21561.68									
24-Feb-12	16.48		23731.63									
25-Feb-12	29.33		42229.55									
26-Feb-12	19.88		28622.67									
27-Feb-12	6.34		9128.08	0.00	0.00	0.00	23.60	0.00				
28-Feb-12	14.42		20757.68						0.00	0.00	45.90	11.20
29-Feb-12	14.22		20479.88									
1-Mar-12	17.40		25057.04									
2-Mar-12	16.83		24232.96									
3-Mar-12	18.61		26805.28									
4-Mar-12	16.66		23995.25									
5-Mar-12	12.30		17712.46	0.00	0.00	0.00	10.64	0.00				
6-Mar-12	22.78		32806.93									
7-Mar-12	24.41		35153.98									
8-Mar-12	20.35		29298.46									
9-Mar-12	17.61		25354.15									
10-Mar-12	18.05		25994.26									
11-Mar-12	16.10		23178.17									
12-Mar-12	19.52		28109.07									
13-Mar-12	16.11		23204.44	0.00	0.00	0.00	38.12	0.00	0.00	0.00	0.00	0.00
14-Mar-12	14.50		20878.10									
15-Mar-12	15.41		22192.49									
16-Mar-12	21.20		30521.12									
17-Mar-12	18.92		27240.39									
18-Mar-12	17.26		24858.95									
19-Mar-12	23.98		34528.95	0.00	120.95	0.00	69.11	23.33				
20-Mar-12	26.48		38129.70									
21-Mar-12	24.87		35805.76									
22-Mar-12	22.28		32085.90									
23-Mar-12	15.82		22775.63									
24-Mar-12	8.40		12095.95									
25-Mar-12	11.57		16659.48									
26-Mar-12	17.16		24714.29	0.00	90.69	0.00	72.14	26.80				
27-Mar-12	29.85		42987.67						560.00	0.00	28.30	33.10
28-Mar-12	29.21		42062.31									
29-Mar-12	16.98		24447.12									
30-Mar-12	10.87		15648.26									
31-Mar-12	10.98		15806.56									
1-Apr-12	14.22		20478.53									
2-Apr-12	19.93		28703.01	10.53	0.00	0.00	10.05	7.66				
3-Apr-12	19.97		28756.18									
4-Apr-12	21.00		30246.45									
5-Apr-12	14.89		21441.13									

VAN DE MARK CHEMICAL INC.JANUARY 2011 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2	
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb
6-Apr-12	14.27		20541.73									
7-Apr-12	10.58		15236.36									
8-Apr-12	13.64		19646.00									
9-Apr-12	15.88		22861.76	419.47	0.00	0.00	0.00	0.00				
10-Apr-12	20.52		29552.01						803.00	97.00	15.00	0.00
11-Apr-12	10.69		15398.24									
12-Apr-12	11.41		16424.60									
13-Apr-12	13.91		20028.10									
14-Apr-12	9.14		13155.95									
15-Apr-12	11.62		16734.56									
16-Apr-12	21.09		30364.90	0.00	0.00	0.00	48.12	0.00				
17-Apr-12	19.51		28099.77									
18-Apr-12	21.62		31139.62									
19-Apr-12	17.56		25292.43									
20-Apr-12	12.90		18572.38									
21-Apr-12	11.25		16205.87									
22-Apr-12	14.02		20193.81									
23-Apr-12	15.97		22991.29	72.86	0.00	0.00	0.00	0.00				
24-Apr-12	23.89		34399.07									
25-Apr-12	23.05		33196.54									
26-Apr-12	67.34		96975.75									
27-Apr-12	104.62		150654.68									
28-Apr-12	110.45		159046.00									
29-Apr-12	94.25		135726.97									
30-Apr-12	103.78		149442.85									
1-May-12	104.25	14806.73	150116.43									
2-May-12	106.07	17358.98	152738.99									
3-May-12	98.99	19056.73	142547.16									
4-May-12	67.27	12355.98	96874.24									
5-May-12	11.84	0.00	17043.34									
6-May-12	9.09	0.00	13090.92									
7-May-12	15.49	0.00	22308.34	0.00	42.98	0.00	54.33	7.27				
8-May-12	25.32	0.00	36461.09						4.77	1.98	0.00	0.00
9-May-12	33.91	0.00	48835.08									
10-May-12	15.61	0.00	22476.71									
11-May-12	12.44	0.00	17920.57									
12-May-12	10.39	0.00	14956.48									
13-May-12	9.87	0.00	14208.98									
14-May-12	15.82	0.00	22780.24	0.00	31.92	16.30	121.59	0.00				
15-May-12	16.75	0.00	24116.07									
16-May-12	23.04	0.00	33178.82									
17-May-12	26.73	0.00	38484.88									
18-May-12	12.88	0.00	18546.02									
19-May-12	13.75	0.00	19795.33									
20-May-12	10.51	0.00	15130.97									
21-May-12	15.25	0.00	21962.15	17.71	16.92	6.98	41.76	62.64				
22-May-12	20.65	0.00	29741.06						0.00	0.00	0.00	0.00
23-May-12	22.35	0.00	32178.75									

VAN DE MARK CHEMICAL INC.JANUARY 2011 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2	
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb
24-May-12	20.48	0.00	29484.26									
25-May-12	13.95	0.00	20088.23									
26-May-12	9.95	0.00	14329.14									
27-May-12	19.88	0.00	28629.11									
28-May-12	18.04	0.00	25977.34	0.00	9.21	0.00	0.00	137.79				
29-May-12	20.52	0.00	29550.60									
30-May-12	18.30	0.00	26354.37									
31-May-12	9.43	0.00	13580.10									
1-Jun-12	9.61	0.00	13832.38									
2-Jun-12	13.60	0.00	19583.23									
3-Jun-12	8.41	0.00	12106.56									
4-Jun-12	19.48	0.00	28049.70	0.00	0.00	0.00	0.00	0.00				
5-Jun-12	13.87	0.00	19977.99						0.00	0.00	0.00	0.00
6-Jun-12	13.24	0.00	19071.74									
7-Jun-12	8.50	0.00	12236.82									
8-Jun-12	11.58	0.00	16672.51									
9-Jun-12	8.53	0.00	12276.09									
10-Jun-12	6.33	0.00	9113.81									
11-Jun-12	15.02	0.00	21625.42	0.00	0.00	0.00	0.00	0.00				
12-Jun-12	24.90	0.00	35854.63									
13-Jun-12	25.31	0.00	36448.96									
14-Jun-12	19.17	0.00	27609.29									
15-Jun-12	16.90	0.00	24340.31									
16-Jun-12	8.49	0.00	12228.28									
17-Jun-12	5.49	0.00	7901.42									
18-Jun-12	10.25	0.00	14765.18	0.00	0.00	0.00	13.55	0.00				
19-Jun-12	18.56	0.00	26720.90						0.00	0.00	0.00	0.00
20-Jun-12	14.38	0.00	20702.87									
21-Jun-12	9.73	0.00	14009.77									
22-Jun-12	8.67	0.00	12491.40									
23-Jun-12	6.91	0.00	9944.43									
24-Jun-12	6.89	0.00	9926.83									
25-Jun-12	10.51	0.00	15127.35	0.00	21.45	0.00	21.45	0.00				
26-Jun-12	17.64	0.00	25395.87									
27-Jun-12	15.91	0.00	22907.44									
28-Jun-12	12.13	0.00	17469.51									
29-Jun-12	7.40	0.00	10661.80									
30-Jun-12	7.40	0.00	10653.34									
1-Jul-12	7.87	0.00	11338.61									
2-Jul-12	12.32	0.00	17744.39	0.00	12.19	0.00	25.16	10.18				
3-Jul-12	20.79	0.00	29942.29						6.17	3.00	6.24	18.03
4-Jul-12	13.16	0.00	18944.95									
5-Jul-12	5.27	0.00	7591.16									
6-Jul-12	9.64	0.00	13878.49									
7-Jul-12	9.48	0.00	13648.42									
8-Jul-12	10.84	0.00	15604.42									
9-Jul-12	18.50	0.00	26638.26	0.00	0.00	0.00	0.00	0.00				
10-Jul-12	19.81	0.00	28519.99									

VAN DE MARK CHEMICAL INC.JANUARY 2011 FLOWS AND ANALYTICAL

DATE LIMIT	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2	
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb
11-Jul-12	19.40	0.00	27942.46									
12-Jul-12	11.92	0.00	17166.15									
13-Jul-12	8.37	0.00	12055.74									
14-Jul-12	8.51	0.00	12256.51									
15-Jul-12	8.03	0.00	11557.86									
16-Jul-12	13.05	0.00	18796.04	0.00	0.00	0.00	0.00	39.19				
17-Jul-12	11.74	0.00	16908.32						45.41	26.23	3.91	4.51
18-Jul-12	13.60	0.00	19578.15									
19-Jul-12	14.39	0.00	20718.63									
20-Jul-12	14.97	0.00	21551.92									
21-Jul-12	15.31	0.00	22045.76									
22-Jul-12	9.36	0.00	13478.61									
23-Jul-12	19.98	0.00	28770.60	0.00	0.00	0.00	0.00	0.00				
24-Jul-12	26.29	0.00	37854.32									
25-Jul-12	22.91	0.00	32988.45									
26-Jul-12	22.44	0.00	32315.59									
27-Jul-12	12.21	0.00	17585.22									
28-Jul-12	12.92	0.00	18600.25									
29-Jul-12	13.26	0.00	19100.05									
30-Jul-12	18.35	0.00	26421.60	0.00	0.00	0.00	0.00	0.00				
31-Jul-12	19.87	0.00	28611.67						3.98	12.05	0.55	7.25
1-Aug-12	24.73	0.00	35606.72									
2-Aug-12	21.42	0.00	30842.04									
3-Aug-12	17.34	0.00	24972.73									
4-Aug-12	12.08	0.00	17395.64									
5-Aug-12	15.43	0.00	22222.60									
6-Aug-12	19.47	0.00	28042.34	0.00	0.00	0.00	0.00	0.00				
7-Aug-12	13.92	0.00	20041.31									
8-Aug-12	13.22	0.00	19033.35									
9-Aug-12	17.93	0.00	25812.82									
10-Aug-12	17.74	0.00	25540.07									
11-Aug-12	9.87	0.00	14212.76									
12-Aug-12	9.75	0.00	14045.03									
13-Aug-12	12.15	0.00	17491.96	0.00	0.00	0.00	0.00	0.00				
14-Aug-12	12.37	0.00	17806.14						0.80	5.20	0.00	1.26
15-Aug-12	13.24	0.00	19060.26									
16-Aug-12	21.45	0.00	30891.29									
17-Aug-12	27.43	0.00	39494.81									
18-Aug-12	10.74	0.00	15468.50									
19-Aug-12	13.99	0.00	20147.89									
20-Aug-12	16.96	0.00	24418.46	0.00	0.00	8.55	0.00	0.00				
21-Aug-12	18.61	0.00	26804.79									
22-Aug-12	18.07	0.00	26018.93									
23-Aug-12	19.96	0.00	28745.34									
24-Aug-12	17.50	0.00	25194.18									
25-Aug-12	10.32	0.00	14865.62									
26-Aug-12	14.27	0.00	20543.67									
27-Aug-12	18.28	0.00	26316.18	0.00	0.00	987.65	0.00	0.00				

VAN DE MARK CHEMICAL INC.JANUARY 2011 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2	
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb
LIMIT												
28-Aug-12	21.39	0.00	30802.57						0.00	25.43	0.00	0.00
29-Aug-12	22.70	0.00	32694.57									
30-Aug-12	10.30	0.00	14836.01									
31-Aug-12	11.09	0.00	15966.04									
1-Sep-12	19.79	0.00	28496.70									
2-Sep-12	14.82	0.00	21341.59									
3-Sep-12	14.70	0.00	21173.95	0.00	0.00	971.25	0.00	0.00				
4-Sep-12	20.12	0.00	28976.78									
5-Sep-12	10.83	0.00	15588.72									
6-Sep-12	23.55	0.00	33907.51									
7-Sep-12	18.46	0.00	26580.29									
8-Sep-12	4.08	0.00	5878.62									
9-Sep-12	11.54	0.00	16619.73									
10-Sep-12	16.75	0.00	24117.85	0.00	0.00	1508.57	0.00	0.00				
11-Sep-12	21.88	0.00	31506.04									
12-Sep-12	23.90	0.00	34421.90									
13-Sep-12	26.22	0.00	37754.73									
14-Sep-12	17.78	0.00	25598.91									
15-Sep-12	13.64	0.00	19644.75									
16-Sep-12	9.94	0.00	14310.37									
17-Sep-12	26.68	0.00	38419.92	0.00	0.00	11.86	0.00	0.00				
18-Sep-12	21.81	0.00	31407.81									
19-Sep-12	7.30	0.00	10508.77									
20-Sep-12	5.44	0.00	7835.02									
21-Sep-12	5.74	0.00	8259.02									
22-Sep-12	7.84	0.00	11290.26									
23-Sep-12	8.29	0.00	11933.76									
24-Sep-12	5.55	0.00	7997.28	113.39	0.00	0.00	0.00	0.00				
25-Sep-12	5.57	0.00	8018.52									
26-Sep-12	8.66	0.00	12468.52						5.57	0.43	0.41	0.43
27-Sep-12	8.37	0.00	12052.52									
28-Sep-12	8.02	0.00	11542.52									
29-Sep-12	6.77	0.00	9745.76									
30-Sep-12	6.68	0.00	9616.26									
1-Oct-12	5.12	0.00	7371.27	58.40	0.00	0.00	0.00	0.00				
2-Oct-12	5.88	0.00	8473.02									
3-Oct-12	8.25	0.00	11873.52									
4-Oct-12	15.52	0.00	22348.28									
5-Oct-12	11.73	0.00	16887.02									
6-Oct-12	10.87	0.00	15657.76									
7-Oct-12	16.80	0.00	24185.76									
8-Oct-12	10.13	0.00	14586.52	57.18	0.00	19.46	65.69	0.00				
9-Oct-12	9.73	0.00	14014.77						0.00	0.00	0.00	0.00
10-Oct-12	11.39	0.00	16398.02									
11-Oct-12	9.81	0.00	14127.28									
12-Oct-12	9.28	0.00	13361.51									
13-Oct-12	8.21	0.00	11826.50									
14-Oct-12	7.58	0.00	10915.76									

161

1570

11.4

10.2

VAN DE MARK CHEMICAL INC.JANUARY 2011 FLOWS AND ANALYTICAL

DATE	MAX Daily Flow GPM		GPD	DEA #/day	POH #/day	PNBC #/day	Methanol #/day	NBA #/day	Unit 1		Unit 2	
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb
LIMIT				137.00	200.00	53.00	NA	199.00				
15-Oct-12	7.80	0.00	11231.77	28.10	0.00	0.00	48.71	0.00				
16-Oct-12	8.95	0.00	12891.77									
17-Oct-12	9.18	0.00	13216.77									
18-Oct-12	5.36	0.00	7716.02									
19-Oct-12	6.23	0.00	8973.02									
20-Oct-12	6.94	0.00	9999.26									
21-Oct-12	10.06	0.00	14489.26									
22-Oct-12	13.03	0.00	18767.77	13.15	48.52	5.95	144.00	0.00				
23-Oct-12	14.28	0.00	20559.77						0.00	0.00	0.03	0.00
24-Oct-12	13.72	0.00	19753.27									
25-Oct-12	0.00	0.00	0.00									
26-Oct-12	0.00	0.00	0.00									
27-Oct-12	0.00	0.00	0.00									
28-Oct-12	0.00	0.00	0.00									
29-Oct-12	0.00	0.00	0.00									
30-Oct-12	0.00	0.00	0.00									
31-Oct-12	0.00	0.00	0.00									
1-Nov-12												
2-Nov-12												
3-Nov-12												
4-Nov-12												
5-Nov-12												
6-Nov-12												
7-Nov-12												
8-Nov-12												
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23-Nov-12												
24-Nov-12												
25-Nov-12												
26-Nov-12												
27-Nov-12												
28-Nov-12												
29-Nov-12												
30-Nov-12												
1-Dec-12												

7.05

870

1450

DATE	MAX Daily Flow GPM		GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00	Unit 1		Unit 2	
									MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb
LIMIT												
2-Dec-12												
3-Dec-12												
4-Dec-12												
5-Dec-12												
6-Dec-12												
7-Dec-12												
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28-Dec-12												
29-Dec-12												
30-Dec-12												
31-Dec-12												

26.7

0

DATE LIMIT	MAX Daily Flow GPM	GPD	DEA #/day 137.00	POH #/day 200.00	PNBC #/day 53.00	Methanol #/day NA	NBA #/day 199.00
3-Jan-11	12	17,486	0.00	0.00	0.00	0.00	0.00
10-Jan-11	21	30,192	0.00	0.00	0.00	0.00	0.00
17-Jan-11	11	16,266	0.00	0.00	0.00	0.00	0.00
24-Jan-11	15	22,042	0.00	0.00	0.00	0.00	0.00
31-Jan-11	17	24,746	0.00	0.00	0.00	0.00	0.00
7-Feb-11	16	22,942	0.00	0.00	0.00	0.00	0.00
14-Feb-11	11	15,624	0.00	0.00	0.00	5.60	0.00
21-Feb-11	14	20,380	0.00	158.07	0.00	7.31	0.00
28-Feb-11	20	29,301	879.74	156.40	0.00	0.00	85.53
7-Mar-11	17	24,047	601.66	54.15	0.00	0.00	60.17
14-Mar-11	16	22,697	416.45	104.11	160.90	32.18	92.75
21-Mar-11	11	16,073	44.23	160.85	41.55	0.00	0.00
28-Mar-11	22	30,961	85.21	247.88	178.17	0.00	139.43
4-Apr-11	13	18,457	5.08	140.08	0.00	44.64	101.60
11-Apr-11	24	34,105	7.96	7.96	159.28	0.00	0.00
18-Apr-11	17	24,426	0.00	0.00	63.15	185.38	0.00
25-Apr-11	17	24,408	0.00	0.00	8.96	34.61	0.00
2-May-11	18	25,408	0.00	0.00	61.45	1229.03	0.00
9-May-11	14	20,299	0.00	0.00	7.28	355.51	8.80
16-May-11	14	20,153	0.00	0.00	0.00	112.61	7.40
23-May-11	17	23,999	0.00	0.00	5.20	78.06	0.00
30-May-11	16	22,807	0.00	0.00	0.00	10.08	0.00
6-Jun-11	15	21,792	0.00	0.00	8.54	0.00	0.00
13-Jun-11	25	35,834	0.00	152.41	0.00	11.06	11.36
20-Jun-11	10	14,877	0.00	64.52	3.72	62.04	0.00
27-Jun-11	23	33,483	0.00	145.21	8.38	139.62	0.00
4-Jul-11	8	11,016	0.00	5.33	19.29	5.60	5.51
11-Jul-11	14	20,135	0.00	0.00	0.00	5.88	0.00
18-Jul-11	15	21,949	0.00	0.00	0.00	0.00	0.00
25-Jul-11	15	21,917	0.00	0.00	0.00	0.00	0.00
1-Aug-11	11	15,806	0.00	0.00	0.00	0.00	0.00
8-Aug-11	17	25,013	0.00	0.00	0.00	0.00	0.00
15-Aug-11	12	17,755	0.00	65.15	0.00	0.00	0.00
22-Aug-11	15	21,929	0.00	14.27	8.60	0.00	0.00
29-Aug-11	18	25,718	0.00	34.32	27.88	8.15	5.36
5-Sep-11	16	23,016	0.00	0.00	28.79	13.05	0.00
12-Sep-11	22	31,410	0.00	0.00	65.49	49.77	0.00
19-Sep-11	25	36,380	0.00	0.00	0.00	910.22	0.00
26-Sep-11	29	41,681	52.14	173.81	0.00	34.76	0.00
3-Oct-11	20	29,305	46.44	46.44	0.00	0.00	12.22
10-Oct-11	21	29,825	0.00	97.01	19.90	0.00	54.72
17-Oct-11	15	21,706	0.00	41.64	39.83	0.00	27.15
24-Oct-11	15	21,011	36.80	0.00	0.00	28.04	0.00
1-Nov-11	17	23,964	0.00	0.00	12.59	25.98	0.00
14-Nov-11	6	8,820	0.00	0.00	0.00	0.00	0.00
21-Nov-11	11	15,157	0.00	0.00	0.00	4.05	0.00
28-Nov-11	14	19,584	0.00	0.00	0.00	5.06	0.00
7-Dec-11	23	33,481	0.00	0.00	0.00	64.22	0.00
14-Dec-11	18	26,455	0.00	0.00	0.00	7.50	0.00
19-Dec-11	19	27,199	0.00	0.00	0.00	0.00	0.00
26-Dec-11	13	18,681	4.05	0.00	0.00	7.17	0.00

5-Sep-11	0	0	150	68	0
12-Sep-11	0	0	250	190	0
19-Sep-11	0	0	0	3000	0
26-Sep-11	150	500	0	100	0
3-Oct-11	190	190	0	0	50
10-Oct-11	0	390	80	0	220
17-Oct-11	0	230	220	0	150
24-Oct-11	210	0	0	160	0
1-Nov-11	0	0	63	130	0
14-Nov-11	0	0	0	0	0
21-Nov-11	0	0	0	32	0
28-Nov-11	0	0	0	31	0
7-Dec-11	0	0	0	230	0
14-Dec-11	0	0	0	34	0
19-Dec-11	0	0	0	0	0
26-Dec-11	26	0	0	46	0

DATE LIMIT	MAX Daily Flow GPM	GPD	Unit 1		Unit 2		Detection Limit MCB	Detection Limit Toluene	Mass loading MCB	Mass loading Toluene
			MCB ug/l	Toluene ug/l	MCB ug/l	Toluene ppb			lbs/day	lbs/day
3-Jan-11	12	17,486	ND	500	28.6	31.8	50	50	0.0042	0.0046
24-Jan-11	15	22,042	6720	1200	101	18.3	7.1	25	0.0186	0.0034
31-Jan-11	17	24,746	<100	<100	ND	ND	7.1	4.9	0.0015	0.0010
14-Feb-11	11	15,624	110	22.7	ND	ND	7.1	4.9	0.0009	0.0006
28-Feb-11	20	29,301	1330.00	6030	44.5	162	7.1	4.9	0.0109	0.0396
14-Mar-11	16	22,697	12.5	65.4	18.5	14.1	7.1	4.9	0.0035	0.0027
11-Apr-11	24	34,105	164	49.8	18.7	ND	7.1	4.9	0.0053	0.0014
18-Apr-11	17	24,426	412	148	274	51.7	7.1	4.9	0.0558	0.0105
9-May-11	14	20,299	1075	65800	1220	196	7.1	4.9	0.2065	0.0332
16-May-11	14	20,153	446	1670	44.3	18.4	25	25	0.0074	0.0031
23-May-11	17	23,999	481	13200	90	32.2	7.1	4.9	0.0180	0.0064
6-Jun-11	15	21,792	3401	8181	23	63.5	7.1	4.9	0.0042	0.0115
20-Jun-11	10	14,877	28200	13200	ND	23.1	7.1	100	0.0009	0.0029
4-Jul-11	8	11,016	<200	868	29.8	15.8	7.1	4.9	0.0027	0.0015
25-Jul-11	15	21,917	23	17	ND	66	7.1	4.9	0.0013	0.0121
1-Aug-11	11	15,806	ND	33.4	ND	ND	4.9	4.9	0.0006	0.0006
15-Aug-11	12	17,755	ND	ND			7.1	4.9	0.0000	0.0000
29-Aug-11	18	25,718	80300.00	1189	28	20.2	4.9	4.9	0.0060	0.0043
13-Sep-11	24	34,281	117000.00	7310.00	44.20	161.00	4.9	4.9	0.0126	0.0460
27-Sep-11	24	34,966	124.00	1270.00	0.00	1570.00	4.9	4.9	0.0000	0.4578
4-Oct-11	20	29,304	577.00	13500.00	0.00	11.40	7.1	4.9	0.0000	0.0028
11-Oct-11	19	28,040	58.20	32.10	141.00	10.20	4.9	4.9	0.0330	0.0024
25-Oct-11	16	23,629	60.60	6.64	15.40	7.05	4.9	4.9	0.0030	0.0014
22-Nov-11	6	9,079	483.00	143.00	751.00	870.00	4.9	4.9	0.0569	0.0659
29-Nov-11	15	21,241	373.00	186.00	351.00	1450.00	4.9	4.9	0.0622	0.2569
6-Dec-11	32	45,954	7670.00	4860.00	14.60	26.70	4.9	4.9	0.0056	0.0102
20-Dec-11	20	29,493	111.00	1250.00	ND	ND	4.9	4.9	0.0012	0.0012

13-Sep-11	117000	7310	44.2	161
27-Sep-11	124	1270	0	1570
4-Oct-11	577	13500	0	11.4
11-Oct-11	58.2	32.1	141	10.2
25-Oct-11	60.6	6.64	15.4	7.05
22-Nov-11	483	143	751	870
29-Nov-11	373	186	351	1450
6-Dec-11	7670	4860	14.6	26.7
20-Dec-11	111	1250	0	0

VanDeMark - Semi Annual WWTP Results

2nd Semi Annual Report - 2003

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I. FLOWS

see attached flow report. All days are included.

II. pH

% COMPLIANCE

Jun-03	Jul-03	Aug-03	Sep-03	Oct-03	Nov-03
99.76%	99.72%	99.51%	99.98%	99.85%	100.00%

III. OTHER PARAMETERS - MASS LIMITS

PARAMETER	15-Jul-03 DAILY FLOW IN MGD	15-Jul-03 DATA IN PPB	15-Jul-03 MASS LOAD IN # / DAY	16-Jul-03 DAILY FLOW IN MGD	16-Jul-03 DATA IN PPB	16-Jul-03 MASS LOAD IN # / DAY	CITY AVG. MASS LIMIT IN #/DAY	VDM AVG LOAD IN # / DAY	VDM MAX. LOAD IN # / DAY	CITY MAX.. MASS LIMIT IN #/DAY
ACENAPHTHENE	0.018	4.2	0.0006	0.022	4.8	0.0009	0.015	0.0007	0.0009	0.037
ANTHRACENE	0.018	3.7	0.0005	0.022	3.7	0.0007	0.015	0.0006	0.0007	0.037
BENZENE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.045	0.0008	0.0009	0.106
BIS(2-ETHYLHEXYL) PHALATE	0.018	2.7	0.0004	0.022	2.7	0.0005	0.075	0.0004	0.0005	0.204
CARBON TETRACHLORIDE	0.018	5.0	0.0007	0.022	6.4	0.0012	0.113	0.0009	0.0012	0.301
CHLOROBENZENE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.113	0.0008	0.0009	0.301
CHLOROETHANE	0.018	5.0	0.0007	0.022	7.6	0.0014	0.087	0.0011	0.0014	0.234
CHLOROFORM	0.018	5.0	0.0007	0.022	5.0	0.0009	0.088	0.0008	0.0009	0.257
CHLOROMETHANE	0.018	5.0	0.0007	0.022	6.4	0.0012	0.087	0.0009	0.0012	0.234
DI-N-BUTYL PHTHALATE	0.018	4.2	0.0006	0.022	4.2	0.0008	0.016	0.0007	0.0008	0.034
1,2-DICHLOROBENZENE	0.018	4.4	0.0006	0.022	4.4	0.0008	0.155	0.0007	0.0008	0.629
1,3-DICHLOROBENZENE	0.018	4.2	0.0006	0.022	4.0	0.0007	0.113	0.0007	0.0007	0.301
1,4-DICHLOROBENZENE	0.018	4.4	0.0006	0.022	4.4	0.0008	0.113	0.0007	0.0008	0.301
1,1-DICHLOROETHANE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.017	0.0008	0.0009	0.047
1,2-DICHLOROETHANE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.143	0.0008	0.0009	0.455
1,1-DICHLOROETHENE	0.018	5.0	0.0007	0.022	7.1	0.0013	0.017	0.0010	0.0013	0.048
1,2-TRANS-DICHLOROETHENE	0.018	10.0	0.0015	0.022	13.0	0.0024	0.02	0.0019	0.0024	0.052
1,2-DICHLOROPROPANE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.155	0.0008	0.0009	0.629
1,3-DICHLOROPROPENE	0.018	5.0	0.0007	0.022	5.1	0.0009	0.155	0.0008	0.0009	0.629
DIETHYL PHTHALATE	0.018	5.4	0.0008	0.022	5.4	0.0010	0.036	0.0009	0.0010	0.09
DIMETHYL PHTHALATE	0.018	6.8	0.0010	0.022	6.8	0.0012	0.015	0.0011	0.0012	0.037
4,6-DINITRO-2-METHYLPHENOL	0.018	24.0	0.0035	0.022	24.0	0.0044	0.062	0.0039	0.0044	0.219
ETHYLBENZENE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.113	0.0008	0.0009	0.301
FLUORANTHENE	0.018	4.0	0.0006	0.022	4.0	0.0007	0.017	0.0007	0.0007	0.043
FLUORENE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.015	0.0008	0.0009	0.037
HEXACHLOROBENZENE	0.018	3.4	0.0005	0.022	3.4	0.0006	0.115	0.0006	0.0006	0.629
HEXACHLOROBUTADIENE	0.018	5.2	0.0008	0.022	5.2	0.0009	0.113	0.0009	0.0009	0.301

PARAMETER	15-Jul-03 DAILY FLOW IN MGD	15-Jul-03 DATA IN PPB	15-Jul-03 MASS LOAD IN # / DAY	16-Jul-03 DAILY FLOW IN MGD	16-Jul-03 DATA IN PPB	16-Jul-03 MASS LOAD IN # / DAY	CITY AVG. MASS LIMIT IN #/DAY	VDM AVG LOAD IN # / DAY	VDM MAX. LOAD IN # / DAY	CITY MAX.. MASS LIMIT IN #/DAY
HEXACHLOROETHANE	0.018	5.4	0.0008	0.022	5.4	0.0010	0.155	0.0009	0.0010	0.629
METHYLENE CHLORIDE	0.018	7.0	0.0010	0.022	14.0	0.0026	0.029	0.0018	0.0026	0.135
NAPHTHALENE	0.018	4.0	0.0006	0.022	4.0	0.0007	0.015	0.0007	0.0007	0.037
NITRO BENZENE	0.018	2.9	0.0004	0.022	2.9	0.0005	1.772	0.0005	0.0005	5.072
2-NITROPHENOL	0.018	3.6	0.0005	0.022	3.6	0.0007	0.051	0.0006	0.0007	0.183
4-NITROPHENOL	0.018	5.9	0.0009	0.022	5.9	0.0011	0.128	0.0010	0.0011	0.456
PHENANTHRENE	0.018	5.4	0.0008	0.022	5.4	0.0010	0.015	0.0009	0.0010	0.037
PYRENE	0.018	4.1	0.0006	0.022	4.1	0.0007	0.016	0.0007	0.0007	0.038
TETRACHLOROETHENE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.041	0.0008	0.0009	0.13
TOLUENE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.022	0.0008	0.0009	0.059
1,2,4-TRICHLOROENZENE	0.018	4.1	0.0006	0.022	4.1	0.0007	0.155	0.0007	0.0007	0.629
1,1,1-TRICHLOROETHANE	0.018	5.0	0.0007	0.022	5.2	0.0009	0.017	0.0008	0.0009	0.047
1,1,2-TRICHLOROETHANE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.025	0.0008	0.0009	0.101
TRICHLOROETHENE	0.018	5.0	0.0007	0.022	5.0	0.0009	0.021	0.0008	0.0009	0.055
VINYL CHLORIDE	0.018	5.0	0.0007	0.022	5.7	0.0010	0.077	0.0009	0.0010	0.136

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

VanDeMark - Semi Annual WWTP Results

2nd Semi Annual Report - 2003

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IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	15-Jul-03		16-Jul-03		
LEAD	0.01	mg/l	0.01	mg/l	UG/L
ZINC	0.06	MG/L	0.067	MG/L	MG/L
TOTAL CYANIDE	0.01	MG/L	0.01	MG/L	MG/L
TOTAL CYANIDE	0.001	# / DAY (0.124)	0.002	# / DAY (0.124)	# / DAY (0.124)
COD	962	MG/L	917	MG/L	MG/L
PHENOLICS	0.01	MG/L	0.01	MG/L	MG/L
PHOSPHOROUS	0.57	MG/L	0.43	MG/L	MG/L
TOTAL SUSPENDED SOLIDS	30	MG/L	38	MG/L	MG/L

VanDeMark - Semi Annual Flow readings - 6/2003 - 11/2003

Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD
1-Jun-03	22729		1-Jul-03	20588		1-Aug-03	18852		1-Sep-03	21649		1-Oct-03	5000		1-Nov-03	18912
2-Jun-03	19694		2-Jul-03	22791		2-Aug-03	18770		2-Sep-03	18770		2-Oct-03	5000		2-Nov-03	15890
3-Jun-03	28658		3-Jul-03	19472		3-Aug-03	15828		3-Sep-03	15828		3-Oct-03	27367		3-Nov-03	18632
4-Jun-03	31070		4-Jul-03	9134		4-Aug-03	22955		4-Sep-03	22955		4-Oct-03	8013		4-Nov-03	23725
5-Jun-03	20727		5-Jul-03	9363		5-Aug-03	23446		5-Sep-03	23446		5-Oct-03	11745		5-Nov-03	21521
6-Jun-03	13766		6-Jul-03	14108		6-Aug-03	9118		6-Sep-03	9118		6-Oct-03	64699		6-Nov-03	18823
7-Jun-03	22841		7-Jul-03	20451		7-Aug-03	12160		7-Sep-03	12160		7-Oct-03	84435		7-Nov-03	17921
8-Jun-03	24541		8-Jul-03	17808		8-Aug-03	7854		8-Sep-03	29853		8-Oct-03	24037		8-Nov-03	18170
9-Jun-03	30079		9-Jul-03	18908		9-Aug-03	8251		9-Sep-03	20547		9-Oct-03	21875		9-Nov-03	20398
10-Jun-03	34232		10-Jul-03	13215		10-Aug-03	11122		10-Sep-03	32000		10-Oct-03	18942		10-Nov-03	15908
11-Jun-03	22592		11-Jul-03	29062		11-Aug-03	9952		11-Sep-03	28237		11-Oct-03	25533		11-Nov-03	32736
12-Jun-03	22951		12-Jul-03	25771		12-Aug-03	11800		12-Sep-03	25239		12-Oct-03	18787		12-Nov-03	23266
13-Jun-03	25240		13-Jul-03	16710		13-Aug-03	6807		13-Sep-03	23717		13-Oct-03	23556		13-Nov-03	15909
14-Jun-03	16210		14-Jul-03	17263		14-Aug-03	6502		14-Sep-03	28961		14-Oct-03	15707		14-Nov-03	33825
15-Jun-03	17212		15-Jul-03	17593		15-Aug-03	17413		15-Sep-03	25677		15-Oct-03	24895		15-Nov-03	49446
16-Jun-03	34155		16-Jul-03	21849		16-Aug-03	13293		16-Sep-03	63742		16-Oct-03	16131		16-Nov-03	43559
17-Jun-03	24927		17-Jul-03	24663		17-Aug-03	20118		17-Sep-03	44485		17-Oct-03	6974		17-Nov-03	46756
18-Jun-03	19237		18-Jul-03	21204		18-Aug-03	21962		18-Sep-03	25779		18-Oct-03	11863		18-Nov-03	60998
19-Jun-03	17896		19-Jul-03	26340		19-Aug-03	16643		19-Sep-03	18674		19-Oct-03	19860		19-Nov-03	48450
20-Jun-03	17426		20-Jul-03	18818		20-Aug-03	10423		20-Sep-03	15532		20-Oct-03	20040		20-Nov-03	44888
21-Jun-03	14792		21-Jul-03	15561		21-Aug-03	12800		21-Sep-03	17438		21-Oct-03	15766		21-Nov-03	44109
22-Jun-03	16320		22-Jul-03	20136		22-Aug-03	20539		22-Sep-03	0		22-Oct-03	27631		22-Nov-03	21026
23-Jun-03	15089		23-Jul-03	23983		23-Aug-03	18542		23-Sep-03	1912		23-Oct-03	21465		23-Nov-03	19288
24-Jun-03	20573		24-Jul-03	10477		24-Aug-03	17719		24-Sep-03	24816		24-Oct-03	22142		24-Nov-03	38209
25-Jun-03	17025		25-Jul-03	9403		25-Aug-03	20171		25-Sep-03	10764		25-Oct-03	15012		25-Nov-03	38209
26-Jun-03	11131		26-Jul-03	16742		26-Aug-03	40912		26-Sep-03	10324		26-Oct-03	23036		26-Nov-03	38209
27-Jun-03	16322		27-Jul-03	15263		27-Aug-03	24081		27-Sep-03	10062		27-Oct-03	21903		27-Nov-03	38209
28-Jun-03	25980		28-Jul-03	22744		28-Aug-03	23149		28-Sep-03	9711		28-Oct-03	23392		28-Nov-03	40509
29-Jun-03	26355		29-Jul-03	18818		29-Aug-03	19387		29-Sep-03	5000		29-Oct-03	20742		29-Nov-03	40548
30-Jun-03	15988		30-Jul-03	42866		30-Aug-03	20935		30-Sep-03	5000		30-Oct-03	15419		30-Nov-03	43423
			31-Jul-03	16250		31-Aug-03	20436					31-Oct-03	17844			
Total	645,758			597,355			521,941			601,395			678,809			951,471
Average	20,831			18,560			16,717			20,046			22,032			31,716
Maximum	34,232			29,062			40,912			63,742			84,435			60,998

ISOCHEM Inc - Semi Annual WWTP Results

NEW LIMITS USED

1st Semi Annual Report - 2004

Revised:6/22/04...File - vdmpdc\data\safetyenv\wwtp\semi 2004-1

I. FLOWS

see attached flow report. All days are included.

II. pH

% COMPLIANCE

Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04
99.40%	99.95%	99.86%	99.97%	99.99%	99.96%

III. OTHER PARAMETERS - MASS LIMITS

	21-Jan-04 DAILY FLOW	21-Jan-04 DATA	21-Jan-04 MASS LOAD	22-Jan-04 DAILY FLOW	22-Jan-04 DATA	22-Jan-04 MASS LOAD	CITY AVG. MASS LIMIT	ISOCHEM AVG LOAD	ISOCHEM MAX. LOAD	CITY MAX.. MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN #/DAY*	IN # / DAY	IN # / DAY	IN #/DAY*
ACENAPHTHENE	0.025	4.9	0.0010	0.018	4.8	0.0007	0.007	0.0009	0.0010	0.018
ANTHRACENE	0.025	6.4	0.0013	0.018	6.3	0.0010	0.007	0.0012	0.0013	0.018
BENZENE	0.025	5.0	0.0011	0.018	5.0	0.0008	0.022	0.0009	0.0011	0.051
BIS(2-ETHYLHEXYL) PHALATE	0.025	5.0	0.0011	0.018	4.9	0.0008	0.036	0.0009	0.0011	0.099
CARBON TETRACHLORIDE	0.025	5.0	0.0011	0.018	6.4	0.0010	0.054	0.0010	0.0011	0.146
CHLOROBENZENE	0.025	5.0	0.0011	0.018	5.0	0.0008	0.054	0.0009	0.0011	0.146
CHLOROETHANE	0.025	5.0	0.0011	0.018	7.6	0.0012	0.042	0.0011	0.0012	0.113
CHLOROFORM	0.025	5.0	0.0011	0.018	5.0	0.0008	0.043	0.0009	0.0011	0.125
CHLOROMETHANE	0.025	5.0	0.0011	0.018	6.4	0.0010	0.042	0.0010	0.0011	0.113
DI-N-BUTYL PHTHALATE	0.025	7.7	0.0016	0.018	7.6	0.0012	0.008	0.0014	0.0016	0.016
1,2-DICHLOROBENZENE	0.025	3.2	0.0007	0.018	3.1	0.0005	0.075	0.0006	0.0007	0.305
1,3-DICHLOROBENZENE	0.025	2.8	0.0006	0.018	2.8	0.0004	0.054	0.0005	0.0006	0.146
1,4-DICHLOROBENZENE	0.025	4.4	0.0009	0.018	4.4	0.0007	0.054	0.0008	0.0009	0.146
1,1-DICHLOROETHANE	0.025	5.0	0.0011	0.018	7.1	0.0011	0.008	0.0011	0.0011	0.023
1,2-DICHLOROETHANE	0.025	5.0	0.0011	0.018	5.0	0.0008	0.069	0.0009	0.0011	0.22
1,1-DICHLOROETHENE	0.025	5.0	0.0011	0.018	7.1	0.0011	0.008	0.0011	0.0011	0.023
1,2-TRANS-DICHLOROETHENE	0.025	5.0	0.0011	0.018	6.0	0.0009	0.010	0.0010	0.0011	0.025
1,2-DICHLOROPROPANE	0.025	5.0	0.0011	0.018	5.0	0.0008	0.075	0.0009	0.0011	0.305
1,3-DICHLOROPROPENE	0.025	5.0	0.0011	0.018	5.5	0.0008	0.075	0.0009	0.0011	0.305
DIETHYL PHTHALATE	0.025	6.4	0.0013	0.018	6.3	0.0010	0.018	0.0012	0.0013	0.043
DIMETHYL PHTHALATE	0.025	5.8	0.0012	0.018	5.7	0.0009	0.007	0.0010	0.0012	0.018
4,6-DINITRO-2-METHYLPHENOL	0.025	24.0	0.0050	0.018	24.0	0.0037	0.030	0.0044	0.0050	0.106
ETHYLBENZENE	0.025	5.0	0.0011	0.018	5.0	0.0008	0.054	0.0009	0.0011	0.146
FLUORANTHENE	0.025	7.7	0.0016	0.018	7.6	0.0012	0.008	0.0014	0.0016	0.021
FLUORENE	0.025	7.0	0.0015	0.018	6.9	0.0011	0.007	0.0013	0.0015	0.018

	21-Jan-04 DAILY FLOW	21-Jan-04 DATA	21-Jan-04 MASS LOAD	22-Jan-04 DAILY FLOW	22-Jan-04 DATA	22-Jan-04 MASS LOAD	CITY AVG. MASS LIMIT	ISOCHEM AVG LOAD	ISOCHEM MAX. LOAD	CITY MAX.. MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN #/DAY*	IN # / DAY	IN # / DAY	IN #/DAY*
HEXACHLOROBENZENE	0.025	6.7	0.0014	0.018	6.6	0.0010	0.075	0.0012	0.0014	0.305
HEXACHLOROBUTADIENE	0.025	2.7	0.0006	0.018	2.7	0.0004	0.054	0.0005	0.0006	0.146
HEXACHLOROETHANE	0.025	2.4	0.0005	0.018	2.3	0.0004	0.075	0.0004	0.0005	0.305
METHYLENE CHLORIDE	0.025	7.0	0.0015	0.018	14.0	0.0022	0.014	0.0018	0.0022	0.065
NAPHTHALENE	0.025	3.4	0.0007	0.018	3.4	0.0005	0.007	0.0006	0.0007	0.018
NITRO BENZENE	0.025	2.8	0.0006	0.018	2.8	0.0004	0.858	0.0005	0.0006	2.456
2-NITROPHENOL	0.025	3.6	0.0008	0.018	3.6	0.0006	0.025	0.0007	0.0008	0.089
4-NITROPHENOL	0.025	7.1	0.0015	0.018	7.0	0.0011	0.062	0.0013	0.0015	0.221
PHENANTHRENE	0.025	7.3	0.0015	0.018	7.2	0.0011	0.007	0.0013	0.0015	0.018
PYRENE	0.025	5.8	0.0012	0.018	5.7	0.0009	0.008	0.0010	0.0012	0.018
TETRACHLOROETHENE	0.025	5.0	0.0011	0.018	5.0	0.0008	0.020	0.0009	0.0011	0.063
TOLUENE	0.025	5.0	0.0011	0.018	5.0	0.0008	0.011	0.0009	0.0011	0.028
1,2,4-TRICHLOROBENZENE	0.025	2.8	0.0006	0.018	2.8	0.0004	0.075	0.0005	0.0006	0.305
1,1,1-TRICHLOROETHANE	0.025	5.0	0.0011	0.018	5.2	0.0008	0.008	0.0009	0.0011	0.023
1,1,2-TRICHLOROETHANE	0.025	5.0	0.0011	0.018	5.0	0.0008	0.012	0.0009	0.0011	0.049
TRICHLOROETHENE	0.025	5.0	0.0011	0.018	5.0	0.0008	0.010	0.0009	0.0011	0.026
VINYL CHLORIDE	0.025	5.0	0.0011	0.018	5.7	0.0009	0.037	0.0010	0.0011	0.066

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

*Limits are based on new permit limits effective 6/1/04.

ISOCHEM Inc - Semi Annual WWTP Results

1st Semi Annual Report - 2004

Revised:6/22/04...File - vdm\pdc\data\safetyenv\wwtp\semi 2004-1

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	21-Jan-04		22-Jan-04	
LEAD	0.006	mg/l	0.006	mg/l
ZINC	0.046	MG/L	0.094	MG/L
TOTAL CYANIDE	0.01	MG/L	0.01	MG/L
TOTAL CYANIDE	0.002	# / DAY (0.124)	0.002	# / DAY (0.124)
COD	767	MG/L	425	MG/L
PHENOLICS	0.032	MG/L	0.022	MG/L
PHOSPHOROUS	0.34	MG/L	0.01	MG/L
TOTAL SUSPENDED SOLIDS	17	MG/L	30	MG/L

ISOCHEM Inc - Semi Annual Flow readings - 12/2003 - 5/2004

Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD
1-Dec-03	43640		1-Jan-04	22296		1-Feb-04	19590		1-Mar-04	33574		1-Apr-04	33574		1-May-04	30219
2-Dec-03	41979		2-Jan-04	22883		2-Feb-04	16695		2-Mar-04	25329		2-Apr-04	25329		2-May-04	30025
3-Dec-03	37595		3-Jan-04	25053		3-Feb-04	27089		3-Mar-04	32563		3-Apr-04	32563		3-May-04	18147
4-Dec-03	43508		4-Jan-04	19750		4-Feb-04	30177		4-Mar-04	23572		4-Apr-04	23572		4-May-04	34127
5-Dec-03	36631		5-Jan-04	25976		5-Feb-04	20412		5-Mar-04	24670		5-Apr-04	24670		5-May-04	37195
6-Dec-03	32835		6-Jan-04	27509		6-Feb-04	22379		6-Mar-04	37232		6-Apr-04	37232		6-May-04	32577
7-Dec-03	18161		7-Jan-04	16744		7-Feb-04	22356		7-Mar-04	34154		7-Apr-04	34154		7-May-04	30227
8-Dec-03	33300		8-Jan-04	24711		8-Feb-04	25356		8-Mar-04	36566		8-Apr-04	36566		8-May-04	26102
9-Dec-03	40388		9-Jan-04	32872		9-Feb-04	23166		9-Mar-04	25632		9-Apr-04	25632		9-May-04	27682
10-Dec-03	36359		10-Jan-04	31408		10-Feb-04	32818		10-Mar-04	23838		10-Apr-04	23838		10-May-04	23979
11-Dec-03	45531		11-Jan-04	26098		11-Feb-04	26461		11-Mar-04	25492		11-Apr-04	25492		11-May-04	28868
12-Dec-03	47253		12-Jan-04	28275		12-Feb-04	18586		12-Mar-04	17699		12-Apr-04	17699		12-May-04	30410
13-Dec-03	45141		13-Jan-04	26981		13-Feb-04	3584		13-Mar-04	24265		13-Apr-04	24265		13-May-04	34587
14-Dec-03	42402		14-Jan-04	59696		14-Feb-04	53386		14-Mar-04	35944		14-Apr-04	35944		14-May-04	33451
15-Dec-03	52798		15-Jan-04	40161		15-Feb-04	23241		15-Mar-04	32667		15-Apr-04	32667		15-May-04	30496
16-Dec-03	56714		16-Jan-04	23484		16-Feb-04	24369		16-Mar-04	23830		16-Apr-04	23830		16-May-04	21318
17-Dec-03	59176		17-Jan-04	13067		17-Feb-04	31656		17-Mar-04	22701		17-Apr-04	22701		17-May-04	38360
18-Dec-03	47700		18-Jan-04	16468		18-Feb-04	35963		18-Mar-04	25939		18-Apr-04	25939		18-May-04	33765
19-Dec-03	38817		19-Jan-04	23300		19-Feb-04	36390		19-Mar-04	31119		19-Apr-04	31119		19-May-04	31605
20-Dec-03	48051		20-Jan-04	24838		20-Feb-04	30029		20-Mar-04	31119		20-Apr-04	31119		20-May-04	33577
21-Dec-03	17118		21-Jan-04	25227		21-Feb-04	23020		21-Mar-04	31119		21-Apr-04	31119		21-May-04	24751
22-Dec-03	68194		22-Jan-04	18424		22-Feb-04	24717		22-Mar-04	40923		22-Apr-04	40923		22-May-04	24708
23-Dec-03	33164		23-Jan-04	16914		23-Feb-04	23965		23-Mar-04	28504		23-Apr-04	28504		23-May-04	24626
24-Dec-03	18859		24-Jan-04	15784		24-Feb-04	23217		24-Mar-04	19639		24-Apr-04	19639		24-May-04	25959
25-Dec-03	14904		25-Jan-04	8692		25-Feb-04	26573		25-Mar-04	28238		25-Apr-04	28238		25-May-04	36714
26-Dec-03	16597		26-Jan-04	18158		26-Feb-04	22742		26-Mar-04	37165		26-Apr-04	37165		26-May-04	33578
27-Dec-03	19008		27-Jan-04	27081		27-Feb-04	16178		27-Mar-04	26576		27-Apr-04	26576		27-May-04	68829
28-Dec-03	19213		28-Jan-04	28416		28-Feb-04	19499		28-Mar-04	36449		28-Apr-04	36449		28-May-04	33140
29-Dec-03	28894		29-Jan-04	20288		29-Feb-04	26974		29-Mar-04	36819		29-Apr-04	36819		29-May-04	26850
30-Dec-03	28097		30-Jan-04	23204					30-Mar-04	19232		30-Apr-04	19232		30-May-04	28033
31-Dec-03	26725		31-Jan-04	25010					31-Mar-04						31-May-04	30420
Total	1,138,755			758,766			730,588			872,569			872,569			964,327
Average	36,734			24,502			25,193			29,086			29,086			31,130
Maximum	68,194			59,696			53,386			40,923			40,923			68,829

ISOCHEM Inc - Semi Annual WWTP Results

NEW LIMITS USED

2ndt Semi Annual Report - 2004

Revised: 12/7/04...File - vdmpdc\data\safetyenv\wwtp\2004\semi 2004-2

I. FLOWS

see attached flow report. All days are included.

II. pH

% COMPLIANCE

Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04
99.99%	99.85%	99.85%	99.97%	99.80%	99.65%

III. OTHER PARAMETERS - MASS LIMITS

	30-Jun-04 DAILY FLOW	30-Jun-04 DATA	30-Jun-04 MASS LOAD	01-Jul-04 DAILY FLOW	01-Jul-04 DATA	01-Jul-04 MASS LOAD	CITY AVG. MASS LIMIT	ISOCHEM AVG LOAD	ISOCHEM MAX. LOAD	CITY MAX.. MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN #/DAY*	IN # / DAY	IN # / DAY	IN #/DAY*
ACENAPHTHENE	0.084	4.9	0.0034	0.052	4.9	0.0021	0.007	0.0028	0.0034	0.018
ANTHRACENE	0.084	6.3	0.0044	0.052	6.3	0.0027	0.007	0.0036	0.0044	0.018
BENZENE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.022	0.0028	0.0035	0.051
BIS(2-ETHYLHEXYL) PHALATE	0.084	4.9	0.0034	0.052	5.0	0.0021	0.036	0.0028	0.0034	0.099
CARBON TETRACHLORIDE	0.084	5.0	0.0035	0.052	6.4	0.0028	0.054	0.0031	0.0035	0.146
CHLOROBENZENE	0.084	5.0	0.0035	0.052	5.4	0.0023	0.054	0.0029	0.0035	0.146
CHLOROETHANE	0.084	5.0	0.0035	0.052	7.6	0.0033	0.042	0.0034	0.0035	0.113
CHLOROFORM	0.084	5.0	0.0035	0.052	5.0	0.0021	0.043	0.0028	0.0035	0.125
CHLOROMETHANE	0.084	5.0	0.0035	0.052	6.4	0.0028	0.042	0.0031	0.0035	0.113
DI-N-BUTYL PHTHALATE	0.084	7.6	0.0053	0.052	7.7	0.0033	0.008	0.0043	0.0053	0.016
1,2-DICHLOROBENZENE	0.084	3.1	0.0022	0.052	3.2	0.0014	0.075	0.0018	0.0022	0.305
1,3-DICHLOROBENZENE	0.084	2.8	0.0020	0.052	2.8	0.0012	0.054	0.0016	0.0020	0.146
1,4-DICHLOROBENZENE	0.084	4.4	0.0031	0.052	4.4	0.0019	0.054	0.0025	0.0031	0.146
1,1-DICHLOROETHANE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.008	0.0028	0.0035	0.023
1,2-DICHLOROETHANE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.069	0.0028	0.0035	0.22
1,1-DICHLOROETHENE	0.084	5.0	0.0035	0.052	7.1	0.0031	0.008	0.0033	0.0035	0.023
1,2-TRANS-DICHLOROETHENE	0.084	10.0	0.0070	0.052	13.0	0.0056	0.010	0.0063	0.0070	0.025
1,2-DICHLOROPROPANE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.075	0.0028	0.0035	0.305
1,3-DICHLOROPROPENE	0.084	5.0	0.0035	0.052	5.1	0.0022	0.075	0.0029	0.0035	0.305
DIETHYL PHTHALATE	0.084	6.3	0.0044	0.052	6.4	0.0028	0.018	0.0036	0.0044	0.043
DIMETHYL PHTHALATE	0.084	5.7	0.0040	0.052	5.8	0.0025	0.007	0.0032	0.0040	0.018
4,6-DINITRO-2-METHYLPHENOL	0.084	24.0	0.0169	0.052	24.0	0.0103	0.030	0.0136	0.0169	0.106
ETHYLBENZENE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.054	0.0028	0.0035	0.146
FLUORANTHENE	0.084	7.6	0.0053	0.052	7.7	0.0033	0.008	0.0043	0.0053	0.021
FLUORENE	0.084	6.9	0.0049	0.052	7.0	0.0030	0.007	0.0039	0.0049	0.018
HEXACHLOROBENZENE	0.084	6.6	0.0046	0.052	6.7	0.0029	0.075	0.0038	0.0046	0.305

	30-Jun-04 DAILY FLOW	30-Jun-04 DATA	30-Jun-04 MASS LOAD	01-Jul-04 DAILY FLOW	01-Jul-04 DATA	01-Jul-04 MASS LOAD	CITY AVG. MASS LIMIT	ISOCHEM AVG LOAD	ISOCHEM MAX. LOAD	CITY MAX.. MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN #/DAY*	IN # / DAY	IN # / DAY	IN #/DAY*
HEXACHLOROBUTADIENE	0.084	2.7	0.0019	0.052	2.7	0.0012	0.054	0.0015	0.0019	0.146
HEXACHLOROETHANE	0.084	2.3	0.0016	0.052	2.4	0.0010	0.075	0.0013	0.0016	0.305
METHYLENE CHLORIDE	0.084	7.0	0.0049	0.052	14.0	0.0060	0.014	0.0055	0.0060	0.065
NAPHTHALENE	0.084	3.4	0.0024	0.052	3.4	0.0015	0.007	0.0019	0.0024	0.018
NITRO BENZENE	0.084	2.8	0.0020	0.052	2.8	0.0012	0.858	0.0016	0.0020	2.456
2-NITROPHENOL	0.084	3.6	0.0025	0.052	3.6	0.0015	0.025	0.0020	0.0025	0.089
4-NITROPHENOL	0.084	7.1	0.0050	0.052	7.1	0.0031	0.062	0.0040	0.0050	0.221
PHENANTHRENE	0.084	7.2	0.0051	0.052	7.3	0.0031	0.007	0.0041	0.0051	0.018
PYRENE	0.084	5.8	0.0041	0.052	5.8	0.0025	0.008	0.0033	0.0041	0.018
TETRACHLOROETHENE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.020	0.0028	0.0035	0.063
TOLUENE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.011	0.0028	0.0035	0.028
1,2,4-TRICHLOROBENZENE	0.084	2.8	0.0020	0.052	2.8	0.0012	0.075	0.0016	0.0020	0.305
1,1,1-TRICHLOROETHANE	0.084	5.0	0.0035	0.052	5.2	0.0022	0.008	0.0029	0.0035	0.023
1,1,2-TRICHLOROETHANE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.012	0.0028	0.0035	0.049
TRICHLOROETHENE	0.084	5.0	0.0035	0.052	5.0	0.0021	0.010	0.0028	0.0035	0.026
VINYL CHLORIDE	0.084	5.0	0.0035	0.052	5.7	0.0024	0.037	0.0030	0.0035	0.066

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

*Limits are based on new permit limits effective 6/1/04.

ISOCHEM Inc - Semi Annual WWTP Results

2nd Semi Annual Report - 2004

Revised:12/7/04...File - vdmpdc\data\safetyenv\wwtp\2004\semi 2004-2

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	30-Jun-04		01-Jul-04	
LEAD	0.005	mg/l	0.005	mg/l
ZINC	0.14	MG/L	0.04	MG/L
TOTAL CYANIDE	0.01	MG/L	0.01	MG/L
TOTAL CYANIDE	0.007	# / DAY (0.124)	0.004	# / DAY (0.124)
COD	1230	MG/L	1580	MG/L
PHOSPHOROUS	0.27	MG/L	0.01	MG/L
TOTAL SUSPENDED SOLIDS	4.0	MG/L	8.0	MG/L

ISOCHEM Inc - Semi Annual Flow readings - 6/2004 - 11/2004

Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD	
1-Jun-04	41191		1-Jul-04	51522		1-Aug-04	28389		1-Sep-04	30744		1-Oct-04	11173	
2-Jun-04	85706		2-Jul-04	43965		2-Aug-04	43940		2-Sep-04	28027		2-Oct-04	17519	
3-Jun-04	84329		3-Jul-04	31992		3-Aug-04	68155		3-Sep-04	22144		3-Oct-04	15181	
4-Jun-04	15068		4-Jul-04	35164		4-Aug-04	54436		4-Sep-04	30680		4-Oct-04	26427	
5-Jun-04	8236		5-Jul-04	30927		5-Aug-04	19887		5-Sep-04	29560		5-Oct-04	30340	
6-Jun-04	8641		6-Jul-04	40664		6-Aug-04	20234		6-Sep-04	28034		6-Oct-04	21086	
7-Jun-04	6937		7-Jul-04	35366		7-Aug-04	19489		7-Sep-04	32907		7-Oct-04	27583	
8-Jun-04	95501		8-Jul-04	31906		8-Aug-04	19600		8-Sep-04	34627		8-Oct-04	33852	
9-Jun-04	25507		9-Jul-04	27281		9-Aug-04	26327		9-Sep-04	40809		9-Oct-04	25770	
10-Jun-04	18510		10-Jul-04	21231		10-Aug-04	35555		10-Sep-04	32835		10-Oct-04	27990	
11-Jun-04	28230		11-Jul-04	22297		11-Aug-04	34907		11-Sep-04	33265		11-Oct-04	21934	
12-Jun-04	27415		12-Jul-04	22650		12-Aug-04	35771		12-Sep-04	29560		12-Oct-04	20088	
13-Jun-04	28043		13-Jul-04	27435		13-Aug-04	24775		13-Sep-04	33148		13-Oct-04	22586	
14-Jun-04	31382		14-Jul-04	63468		14-Aug-04	32070		14-Sep-04	36656		14-Oct-04	23431	
15-Jun-04	37965		15-Jul-04	39365		15-Aug-04	28010		15-Sep-04	34780		15-Oct-04	13162	
16-Jun-04	31201		16-Jul-04	32733		16-Aug-04	35199		16-Sep-04	35415		16-Oct-04	28903	
17-Jun-04	32990		17-Jul-04	22492		17-Aug-04	36210		17-Sep-04	26254		17-Oct-04	24657	
18-Jun-04	33385		18-Jul-04	21334		18-Aug-04	35174		18-Sep-04	23825		18-Oct-04	19994	
19-Jun-04	37557		19-Jul-04	23066		19-Aug-04	36487		19-Sep-04	23407		19-Oct-04	25091	
20-Jun-04	30662		20-Jul-04	35183		20-Aug-04	21840		20-Sep-04	85142		20-Oct-04	24947	
21-Jun-04	26747		21-Jul-04	42280		21-Aug-04	17379		21-Sep-04	94904		21-Oct-04	18697	
22-Jun-04	35124		22-Jul-04	35730		22-Aug-04	25901		22-Sep-04	89252		22-Oct-04	34937	
23-Jun-04	35353		23-Jul-04	37543		23-Aug-04	33491		23-Sep-04	18902		23-Oct-04	25472	
24-Jun-04	29955		24-Jul-04	33229		24-Aug-04	32644		24-Sep-04	14938		24-Oct-04	21731	
25-Jun-04	31462		25-Jul-04	30239		25-Aug-04	27963		25-Sep-04	13935		25-Oct-04	22335	
26-Jun-04	30846		26-Jul-04	27759		26-Aug-04	38555		26-Sep-04	17118		26-Oct-04	26125	
27-Jun-04	28152		27-Jul-04	31492		27-Aug-04	18117		27-Sep-04	14142		27-Oct-04	27355	
28-Jun-04	45753		28-Jul-04	33563		28-Aug-04	30053		28-Sep-04	45289		28-Oct-04	27877	
29-Jun-04	54923		29-Jul-04	28703		29-Aug-04	27533		29-Sep-04	14454		29-Oct-04	28950	
30-Jun-04	84299		30-Jul-04	29619		30-Aug-04	30535		30-Sep-04	9784		30-Oct-04	25352	
			31-Jul-04	32412		31-Aug-04	27008					31-Oct-04	26840	
Total	1,111,067			1,022,610			965,634			1,004,537			747,385	
Average	35,841			33,123			31,288			33,485			24,018	
Maximum	95,501			63,468			68,155			94,904			34,937	
Overall Average				31,158										
	30			31			31			30			31	
Overall Average														31158

ISOCHEM Inc - Semi Annual WWTP Results

1st Semi Annual Report - 2005

Revised: 6/23/05...File - vdmpdc\data\safetyenv\wwtp\semi 2005-1

I. FLOWS

see attached flow report. All days are included.

II. pH

% COMPLIANCE

Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05
100.00%	99.84%	99.96%	99.48%	99.62%	99.93%

III. OTHER PARAMETERS - MASS LIMITS

	26-Jan-05 DAILY FLOW	26-Jan-05 DATA	26-Jan-05 MASS LOAD	27-Jan-05 DAILY FLOW	27-Jan-05 DATA	27-Jan-05 MASS LOAD	CITY AVG. MASS LIMIT	ISOCHEM AVG LOAD	ISOCHEM MAX. LOAD	CITY MAX.. MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN #/DAY*	IN # / DAY	IN # / DAY	IN #/DAY*
ACENAPHTHENE	0.031	4.9	0.0012	0.056	4.8	0.0022	0.007	0.0017	0.0022	0.018
ANTHRACENE	0.031	6.4	0.0017	0.056	6.3	0.0029	0.007	0.0023	0.0029	0.018
BENZENE	0.031	5.0	0.0013	0.056	5.0	0.0023	0.022	0.0018	0.0023	0.051
BIS(2-ETHYLHEXYL) PHALATE	0.031	5.0	0.0013	0.056	4.9	0.0023	0.036	0.0018	0.0023	0.099
CARBON TETRACHLORIDE	0.031	5.0	0.0013	0.056	6.4	0.0030	0.054	0.0021	0.0030	0.146
CHLOROBENZENE	0.031	5.0	0.0013	0.056	5.0	0.0023	0.054	0.0018	0.0023	0.146
CHLOROETHANE	0.031	5.0	0.0013	0.056	7.6	0.0035	0.042	0.0024	0.0035	0.113
CHLOROFORM	0.031	5.0	0.0013	0.056	5.0	0.0023	0.043	0.0018	0.0023	0.125
CHLOROMETHANE	0.031	5.0	0.0013	0.056	6.4	0.0030	0.042	0.0021	0.0030	0.113
DI-N-BUTYL PHTHALATE	0.031	7.7	0.0020	0.056	7.6	0.0035	0.008	0.0028	0.0035	0.016
1,2-DICHLOROBENZENE	0.031	3.2	0.0008	0.056	3.1	0.0014	0.075	0.0011	0.0014	0.305
1,3-DICHLOROBENZENE	0.031	2.8	0.0007	0.056	2.8	0.0013	0.054	0.0010	0.0013	0.146
1,4-DICHLOROBENZENE	0.031	4.4	0.0011	0.056	4.4	0.0021	0.054	0.0016	0.0021	0.146
1,1-DICHLOROETHANE	0.031	5.0	0.0013	0.056	7.1	0.0033	0.008	0.0023	0.0033	0.023
1,2-DICHLOROETHANE	0.031	5.0	0.0013	0.056	5.0	0.0023	0.069	0.0018	0.0023	0.22
1,1-DICHLOROETHENE	0.031	31.0	0.0080	0.056	7.1	0.0033	0.008	0.0057	0.0080	0.023
1,2-TRANS-DICHLOROETHENE	0.031	5.0	0.0013	0.056	6.0	0.0028	0.010	0.0020	0.0028	0.025
1,2-DICHLOROPROPANE	0.031	5.0	0.0013	0.056	5.0	0.0023	0.075	0.0018	0.0023	0.305
1,3-DICHLOROPROPENE	0.031	5.0	0.0013	0.056	5.5	0.0026	0.075	0.0019	0.0026	0.305
DIETHYL PHTHALATE	0.031	6.4	0.0017	0.056	6.3	0.0029	0.018	0.0023	0.0029	0.043
DIMETHYL PHTHALATE	0.031	5.8	0.0015	0.056	5.7	0.0027	0.007	0.0021	0.0027	0.018
4,6-DINITRO-2-METHYLPHENOL	0.031	24.0	0.0062	0.056	24.0	0.0112	0.030	0.0087	0.0112	0.106
ETHYLBENZENE	0.031	5.0	0.0013	0.056	5.0	0.0023	0.054	0.0018	0.0023	0.146
FLUORANTHENE	0.031	7.7	0.0020	0.056	7.6	0.0035	0.008	0.0028	0.0035	0.021
FLUORENE	0.031	7.0	0.0018	0.056	6.9	0.0032	0.007	0.0025	0.0032	0.018
HEXACHLOROBENZENE	0.031	6.7	0.0017	0.056	6.6	0.0031	0.075	0.0024	0.0031	0.305
HEXACHLOROBUTADIENE	0.031	2.7	0.0007	0.056	2.7	0.0013	0.054	0.0010	0.0013	0.146

ISOCHEM Inc - Semi Annual WWTP Results

1st Semi Annual Report - 2005

Revised: 6/23/05...File - vdmpdc\data\safetyenv\wwtp\semi 2005-1

	26-Jan-05 DAILY FLOW	26-Jan-05 DATA	26-Jan-05 MASS LOAD	27-Jan-05 DAILY FLOW	27-Jan-05 DATA	27-Jan-05 MASS LOAD	CITY AVG. MASS LIMIT	ISOCHEM AVG LOAD	ISOCHEM MAX. LOAD	CITY MAX.. MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN #/DAY*	IN # / DAY	IN # / DAY	IN #/DAY*
HEXACHLOROETHANE	0.031	2.4	0.0006	0.056	2.3	0.0011	0.075	0.0008	0.0011	0.305
METHYLENE CHLORIDE	0.031	7.0	0.0018	0.056	14.0	0.0065	0.014	0.0042	0.0065	0.065
NAPHTHALENE	0.031	3.4	0.0009	0.056	3.4	0.0016	0.007	0.0012	0.0016	0.018
NITRO BENZENE	0.031	2.8	0.0007	0.056	2.8	0.0013	0.858	0.0010	0.0013	2.456
2-NITROPHENOL	0.031	3.6	0.0009	0.056	3.6	0.0017	0.025	0.0013	0.0017	0.089
4-NITROPHENOL	0.031	7.1	0.0018	0.056	7.0	0.0033	0.062	0.0026	0.0033	0.221
PHENANTHRENE	0.031	7.3	0.0019	0.056	7.2	0.0034	0.007	0.0026	0.0034	0.018
PYRENE	0.031	5.8	0.0015	0.056	5.7	0.0027	0.008	0.0021	0.0027	0.018
TETRACHLOROETHENE	0.031	120.0	0.0310	0.056	5.0	0.0023	0.020	0.0167	0.0310	0.063
TOLUENE	0.031	5.0	0.0013	0.056	5.0	0.0023	0.011	0.0018	0.0023	0.028
1,2,4-TRICHLOROBENZENE	0.031	2.8	0.0007	0.056	2.8	0.0013	0.075	0.0010	0.0013	0.305
1,1,1-TRICHLOROETHANE	0.031	5.0	0.0013	0.056	5.2	0.0024	0.008	0.0019	0.0024	0.023
1,1,2-TRICHLOROETHANE	0.031	5.0	0.0013	0.056	5.0	0.0023	0.012	0.0018	0.0023	0.049
TRICHLOROETHENE	0.031	5.0	0.0013	0.056	5.0	0.0023	0.010	0.0018	0.0023	0.026
VINYL CHLORIDE	0.031	5.0	0.0013	0.056	5.7	0.0027	0.037	0.0020	0.0027	0.066

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

*Limits are based on new permit limits effective 6/1/04.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	26-Jan-05		27-Jan-05	
LEAD	0.005	mg/l	0.006	mg/l
ZINC	0.073	MG/L	0.058	MG/L
TOTAL CYANIDE	0.01	MG/L	0.01	MG/L
TOTAL CYANIDE	0.003	# / DAY (0.124)	0.005	# / DAY (0.124)
COD	3370	MG/L	2100	MG/L
PHENOLICS	0.014	MG/L	0.017	MG/L
PHOSPHOROUS	0.67	MG/L	0.43	MG/L
TOTAL SUSPENDED SOLIDS	35	MG/L	30	MG/L

ISOCHEM Inc - Semi Annual Flow readings - 12/2004 - 5/2005

Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD			
1-Dec-04	38484		1-Jan-05	38140		1-Feb-05	49,923		1-Mar-05	49,939		1-Apr-05	36,786		1-May-05	20,225
2-Dec-04	35007		2-Jan-05	38880		2-Feb-05	63,414		2-Mar-05	60,059		2-Apr-05	31,687		2-May-05	20,567
3-Dec-04	33154		3-Jan-05	35147		3-Feb-05	62,969		3-Mar-05	46,688		3-Apr-05	26,125		3-May-05	45,212
4-Dec-04	27933		4-Jan-05	42733		4-Feb-05	50,101		4-Mar-05	36,400		4-Apr-05	22,731		4-May-05	29,148
5-Dec-04	32100		5-Jan-05	44364		5-Feb-05	48,495		5-Mar-05	38,102		5-Apr-05	28,774		5-May-05	33,213
6-Dec-04	32651		6-Jan-05	37549		6-Feb-05	50,427		6-Mar-05	34,231		6-Apr-05	37,145		6-May-05	20,395
7-Dec-04	38030		7-Jan-05	39712		7-Feb-05	47,861		7-Mar-05	46,401		7-Apr-05	33,107		7-May-05	24,961
8-Dec-04	38662		8-Jan-05	35356		8-Feb-05	62,512		8-Mar-05	43,612		8-Apr-05	23,317		8-May-05	29,567
9-Dec-04	39403		9-Jan-05	40991		9-Feb-05	49,834		9-Mar-05	40,513		9-Apr-05	26,297		9-May-05	25,212
10-Dec-04	36541		10-Jan-05	40542		10-Feb-05	45,473		10-Mar-05	38,577		10-Apr-05	23,166		10-May-05	34,338
11-Dec-04	30930		11-Jan-05	46630		11-Feb-05	40,783		11-Mar-05	40,187		11-Apr-05	27,697		11-May-05	37,654
12-Dec-04	38930		12-Jan-05	41493		12-Feb-05	47,956		12-Mar-05	35,046		12-Apr-05	31,450		12-May-05	40,661
13-Dec-04	31516		13-Jan-05	46001		13-Feb-05	39,996		13-Mar-05	39,825		13-Apr-05	32,622		13-May-05	33,495
14-Dec-04	43679		14-Jan-05	45839		14-Feb-05	35,349		14-Mar-05	48,846		14-Apr-05	31,635		14-May-05	25,511
15-Dec-04	45376		15-Jan-05	48239		15-Feb-05	40,492		15-Mar-05	52,733		15-Apr-05	21,589		15-May-05	32,053
16-Dec-04	43881		16-Jan-05	50667		16-Feb-05	45,203		16-Mar-05	75,751		16-Apr-05	19,131		16-May-05	27,953
17-Dec-04	38041		17-Jan-05	46834		17-Feb-05	42,321		17-Mar-05	54,003		17-Apr-05	24,348		17-May-05	27,329
18-Dec-04	33390		18-Jan-05	54457		18-Feb-05	45,104		18-Mar-05	45,843		18-Apr-05	21,926		18-May-05	31,519
19-Dec-04	37652		19-Jan-05	48224		19-Feb-05	50,711		19-Mar-05	47,087		19-Apr-05	22,612		19-May-05	36,247
20-Dec-04	27581		20-Jan-05	48357		20-Feb-05	74,111		20-Mar-05	46,353		20-Apr-05	22,609		20-May-05	24,897
21-Dec-04	33267		21-Jan-05	56754		21-Feb-05	34,536		21-Mar-05	39,642		21-Apr-05	25,687		21-May-05	25,663
22-Dec-04	30463		22-Jan-05	57735		22-Feb-05	29,855		22-Mar-05	69,521		22-Apr-05	19,876		22-May-05	22,656
23-Dec-04	36091		23-Jan-05	50717		23-Feb-05	48,705		23-Mar-05	38,832		23-Apr-05	22,626		23-May-05	25,240
24-Dec-04	36022		24-Jan-05	53275		24-Feb-05	61,216		24-Mar-05	38,370		24-Apr-05	18,208		24-May-05	34,611
25-Dec-04	35379		25-Jan-05	78230		25-Feb-05	48,617		25-Mar-05	36,067		25-Apr-05	24,783		25-May-05	27,072
26-Dec-04	17916		26-Jan-05	30526		26-Feb-05	45,952		26-Mar-05	23,264		26-Apr-05	34,244		26-May-05	21,553
27-Dec-04	46085		27-Jan-05	56027		27-Feb-05	42,393		27-Mar-05	25,258		27-Apr-05	30,873		27-May-05	19,650
28-Dec-04	41399		28-Jan-05	65693		28-Feb-05	38,192		28-Mar-05	35,213		28-Apr-05	21,183		28-May-05	22,813
29-Dec-04	32441		29-Jan-05	52052					29-Mar-05	49,102		29-Apr-05	23,945		29-May-05	20,287
30-Dec-04	36883		30-Jan-05	55648					30-Mar-05	49,438		30-Apr-05	21,936		30-May-05	18,391
31-Dec-04	39252		31-Jan-05	55359					31-Mar-05	43,077					31-May-05	22,233
Total	1,108,139			1,482,171			1,342,500			1,367,981			788,112			860,325
Average	35,746			47,282			47,946			44,163			26,270			27,936
Maximum	46,085			78,230			74,111			75,751			37,145			45,212

ISOCHEM Inc - Semi Annual WWTP Results

2nd Semi Annual Report - 2005

Revised: 12/6/2005...File - vdmpdc\data\safetyenv\wwtp\semi 2005-2

I. FLOWS

see attached flow report. All days are included.

II. pH

% COMPLIANCE

Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05
99.81%	99.77%	99.87%	99.91%	99.90%	99.80%

III. OTHER PARAMETERS - MASS LIMITS

	19-Oct-05 DAILY FLOW	19-Oct-05 DATA	19-Oct-05 MASS LOAD	20-Oct-05 DAILY FLOW	20-Oct-05 DATA	20-Oct-05 MASS LOAD	CITY AVG. MASS LIMIT	ISOCHEM AVG LOAD	ISOCHEM MAX. LOAD	CITY MAX.. MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN #/DAY*	IN # / DAY	IN # / DAY	IN #/DAY*
ACENAPHTHENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.007	0.0015	0.0017	0.018
ANTHRACENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.007	0.0015	0.0017	0.018
BENZENE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.022	0.0007	0.0008	0.051
BIS(2-ETHYLHEXYL) PHALATE	0.020	2.9	0.0005	0.015	2.5	0.0003	0.036	0.0004	0.0005	0.099
CARBON TETRACHLORIDE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.054	0.0007	0.0008	0.146
CHLOROBENZENE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.054	0.0007	0.0008	0.146
CHLOROETHANE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.042	0.0007	0.0008	0.113
CHLOROFORM	0.020	5.0	0.0008	0.015	5.0	0.0006	0.043	0.0007	0.0008	0.125
CHLOROMETHANE	0.020	5.0	0.0008	0.015	6.4	0.0008	0.042	0.0008	0.0008	0.113
DI-N-BUTYL PHTHALATE	0.020	1.3	0.0002	0.015	10.0	0.0013	0.008	0.0008	0.0013	0.016
1,2-DICHLOROBENZENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.075	0.0015	0.0017	0.305
1,3-DICHLOROBENZENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.054	0.0015	0.0017	0.146
1,4-DICHLOROBENZENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.054	0.0015	0.0017	0.146
1,1-DICHLOROETHANE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.008	0.0007	0.0008	0.023
1,2-DICHLOROETHANE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.069	0.0007	0.0008	0.22
1,1-DICHLOROETHENE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.008	0.0007	0.0008	0.023
1,2-TRANS-DICHLOROETHENE	0.020	10.0	0.0017	0.015	5.0	0.0006	0.010	0.0012	0.0017	0.025
1,2-DICHLOROPROPANE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.075	0.0007	0.0008	0.305
1,3-DICHLOROPROPENE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.075	0.0007	0.0008	0.305
DIETHYL PHTHALATE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.018	0.0015	0.0017	0.043
DIMETHYL PHTHALATE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.007	0.0015	0.0017	0.018
4,6-DINITRO-2-METHYLPHENOL	0.020	50.0	0.0084	0.015	50.0	0.0064	0.030	0.0074	0.0084	0.106
ETHYLBENZENE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.054	0.0007	0.0008	0.146
FLUORANTHENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.008	0.0015	0.0017	0.021
FLUORENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.007	0.0015	0.0017	0.018
HEXACHLOROBENZENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.075	0.0015	0.0017	0.305
HEXACHLOROBUTADIENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.054	0.0015	0.0017	0.146

ISOCHEM Inc - Semi Annual WWTP Results

2nd Semi Annual Report - 2005

Revised: 12/6/2005... File - vdmpdc\data\safetyenv\wwtp\semi 2005-2

	19-Oct-05 DAILY FLOW	19-Oct-05 DATA	19-Oct-05 MASS LOAD	20-Oct-05 DAILY FLOW	20-Oct-05 DATA	20-Oct-05 MASS LOAD	CITY AVG. MASS LIMIT	ISOCHEM AVG LOAD	ISOCHEM MAX. LOAD	CITY MAX.. MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN #/DAY*	IN # / DAY	IN # / DAY	IN #/DAY*
HEXACHLOROETHANE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.075	0.0015	0.0017	0.305
METHYLENE CHLORIDE	0.020	7.0	0.0012	0.015	7.0	0.0009	0.014	0.0010	0.0012	0.065
NAPHTHALENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.007	0.0015	0.0017	0.018
NITRO BENZENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.858	0.0015	0.0017	2.456
2-NITROPHENOL	0.020	10.0	0.0017	0.015	10.0	0.0013	0.025	0.0015	0.0017	0.089
4-NITROPHENOL	0.020	50.0	0.0084	0.015	50.0	0.0064	0.062	0.0074	0.0084	0.221
PHENANTHRENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.007	0.0015	0.0017	0.018
PYRENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.008	0.0015	0.0017	0.018
TETRACHLOROETHENE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.020	0.0007	0.0008	0.063
TOLUENE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.011	0.0007	0.0008	0.028
1,2,4-TRICHLOROBENZENE	0.020	10.0	0.0017	0.015	10.0	0.0013	0.075	0.0015	0.0017	0.305
1,1,1-TRICHLOROETHANE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.008	0.0007	0.0008	0.023
1,1,2-TRICHLOROETHANE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.012	0.0007	0.0008	0.049
TRICHLOROETHENE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.010	0.0007	0.0008	0.026
VINYL CHLORIDE	0.020	5.0	0.0008	0.015	5.0	0.0006	0.037	0.0007	0.0008	0.066

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

*Limits are based on new permit limits effective 6/1/04.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	19-Oct-05		20-Oct-05	
LEAD	0.005	mg/l	0.005	mg/l
ZINC	0.052	MG/L	0.025	MG/L
TOTAL CYANIDE	0.01	MG/L	0.01	MG/L
TOTAL CYANIDE	0.002	# / DAY (0.124)	0.001	# / DAY (0.124)
COD	1660	MG/L	1520	MG/L
PHENOLICS**	0.01	MG/L	0.01	MG/L
PHOSPHOROUS	1.4	MG/L	0.51	MG/L
TOTAL SUSPENDED SOLIDS	39	MG/L	27	MG/L

**Phenolics also sampled 5/20/05 while running phenyl chloroformate - 0.014 mg/l

ISOICHEM Inc - Semi Annual Flow readings - 6/1/2005 - 11/30/2005

Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD	
1-Jun-05	20,225		1-Jul-05	26,936		1-Aug-05	16,047		1-Sep-05	14,454		1-Oct-05	48,773		1-Nov-05	29,542	
2-Jun-05	20,567		2-Jul-05	16,249		2-Aug-05	23,860		2-Sep-05	13,042		2-Oct-05	51,915		2-Nov-05	34,098	
3-Jun-05	45,212		3-Jul-05	11,550		3-Aug-05	33,982		3-Sep-05	13,189		3-Oct-05	21,339		3-Nov-05	37,423	
4-Jun-05	29,148		4-Jul-05	17,577		4-Aug-05	26,984		4-Sep-05	13,544		4-Oct-05	14,849		4-Nov-05	36,474	
5-Jun-05	33,213		5-Jul-05	13,851		5-Aug-05	20,825		5-Sep-05	12,284		5-Oct-05	12,236		5-Nov-05	21,252	
6-Jun-05	22,193		6-Jul-05	16,319		6-Aug-05	19,064		6-Sep-05	11,646		6-Oct-05	11,310		6-Nov-05	22,835	
7-Jun-05	31,042		7-Jul-05	23,202		7-Aug-05	14,257		7-Sep-05	20,775		7-Oct-05	20,845		7-Nov-05	29,898	
8-Jun-05	27,966		8-Jul-05	12,882		8-Aug-05	14,277		8-Sep-05	25,969		8-Oct-05	20,340		8-Nov-05	36,206	
9-Jun-05	28,748		9-Jul-05	17,947		9-Aug-05	25,717		9-Sep-05	22,306		9-Oct-05	23,195		9-Nov-05	39,826	
10-Jun-05	21,076		10-Jul-05	16,344		10-Aug-05	21,698		10-Sep-05	21,238		10-Oct-05	22,729		10-Nov-05	48,536	
11-Jun-05	28,533		11-Jul-05	11,270		11-Aug-05	19,031		11-Sep-05	14,902		11-Oct-05	14,466		11-Nov-05	49,861	
12-Jun-05	27,233		12-Jul-05	13,677		12-Aug-05	16,558		12-Sep-05	14,257		12-Oct-05	22,250		12-Nov-05	34,522	
13-Jun-05	35,573		13-Jul-05	15,076		13-Aug-05	12,424		13-Sep-05	31,915		13-Oct-05	22,414		13-Nov-05	38,187	
14-Jun-05	32,081		14-Jul-05	15,898		14-Aug-05	10,708		14-Sep-05	45,248		14-Oct-05	19,988		14-Nov-05	54,945	
15-Jun-05	38,472		15-Jul-05	6,422		15-Aug-05	12,326		15-Sep-05	43,785		15-Oct-05	14,808		15-Nov-05	50,389	
16-Jun-05	36,194		16-Jul-05	37,789		16-Aug-05	17,091		16-Sep-05	43,297		16-Oct-05	10,250		16-Nov-05	30,523	
17-Jun-05	33,575		17-Jul-05	14,023		17-Aug-05	16,163		17-Sep-05	42,964		17-Oct-05	14,103		17-Nov-05	34,835	
18-Jun-05	30,721		18-Jul-05	17,196		18-Aug-05	13,425		18-Sep-05	45,025		18-Oct-05	15,628		18-Nov-05	39,704	
19-Jun-05	21,045		19-Jul-05	15,299		19-Aug-05	8,426		19-Sep-05	47,279		19-Oct-05	20,076		19-Nov-05	36,215	
20-Jun-05	28,666		20-Jul-05	30,181		20-Aug-05	13,595		20-Sep-05	33,814		20-Oct-05	15,392		20-Nov-05	30,259	
21-Jun-05	30,799		21-Jul-05	26,307		21-Aug-05	13,895		21-Sep-05	45,063		21-Oct-05	11,361		21-Nov-05	25,285	
22-Jun-05	32,315		22-Jul-05	9,354		22-Aug-05	14,907		22-Sep-05	1,254		22-Oct-05	14,381		22-Nov-05	21,368	
23-Jun-05	32,705		23-Jul-05	13,832		23-Aug-05	10,189		23-Sep-05	47,116		23-Oct-05	19,822		23-Nov-05	18,043	
24-Jun-05	24,996		24-Jul-05	8,935		24-Aug-05	18,632		24-Sep-05	7,875		24-Oct-05	13,441		24-Nov-05	25,841	
25-Jun-05	22,741		25-Jul-05	11,055		25-Aug-05	20,084		25-Sep-05	11,457		25-Oct-05	22,220		25-Nov-05	22,598	
26-Jun-05	20,295		26-Jul-05	17,154		26-Aug-05	24,024		26-Sep-05	7,206		26-Oct-05	31,355		26-Nov-05	25,135	
27-Jun-05	22,971		27-Jul-05	33,493		27-Aug-05	12,692		27-Sep-05	13,143		27-Oct-05	23,061		27-Nov-05	28,207	
28-Jun-05	29,734		28-Jul-05	23,668		28-Aug-05	12,927		28-Sep-05	74,405		28-Oct-05	20,977		28-Nov-05	27,696	
29-Jun-05	31,900		29-Jul-05	19,516		29-Aug-05	9,736		29-Sep-05	53,409		29-Oct-05	21,324		29-Nov-05	27,696	
30-Jun-05	35,650		30-Jul-05	18,820		30-Aug-05	13,141		30-Sep-05	49,393		30-Oct-05	24,460		30-Nov-05	34,350	
			31-Jul-05	17,266		31-Aug-05	17,352					31-Oct-05	21,157				
Total	875,589			549,088			524,040			841,253			640,464			991,749	24165
Average	29,186			17,713			16,905			28,042			20,660			33,058	
Maximum	45,212			37,789			33,982			74,405			51,915			54,945	

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I. FLOWS

see attached flow report. All days are included.

II. pH

% COMPLIANCE

III. OTHER PARAMETERS - MASS LIMITS

	17-May-06	17-May-06	17-May-06	18-May-06	18-May-06	18-May-06	31-May-06	31-May-06	31-May-06	28-Jun-06	28-Jun-06	28-Jun-06	CITY AVG.	ISOICHEM	ISOICHEM	CITY MAX..
PARAMETER	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MASS LIMIT	AVG LOAD	MAX. LOAD	MASS LIMIT
	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN #/DAY	IN # / DAY	IN # / DAY	IN #/DAY
ACENAPHTHENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.007	0.0481	0.1425	0.018
ANTHRACENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.007	0.0481	0.1425	0.018
BENZENE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.022	0.0004	0.0006	0.051
BIS(2-ETHYLHEXYL) PHALATE	0.037			0.068	1500.0	0.8549	0.0230	5.1	0.0010	0.0242	10.5	0.0021	0.036	0.2860	0.8549	0.099
CARBON TETRACHLORIDE	0.037	1.0	0.0003	0.068	3.2	0.0018	0.0230			0.0242			0.054	0.0011	0.0018	0.146
CHLOROBENZENE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.054	0.0004	0.0006	0.146
CHLOROETHANE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.042	0.0004	0.0006	0.113
CHLOROFORM	0.037	1.6	0.0005	0.068	1.0	0.0006	0.0230			0.0242			0.043	0.0005	0.0006	0.125
CHLOROMETHANE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.042	0.0004	0.0006	0.113
DI-N-BUTYL PHTHALATE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.008	0.0481	0.1425	0.016
1,2-DICHLOROBENZENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.075	0.0481	0.1425	0.305
1,3-DICHLOROBENZENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.054	0.0481	0.1425	0.146
1,4-DICHLOROBENZENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.054	0.0481	0.1425	0.146
1,1-DICHLOROETHANE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.008	0.0004	0.0006	0.023
1,2-DICHLOROETHANE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.069	0.0004	0.0006	0.220
1,1-DICHLOROETHENE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.008	0.0004	0.0006	0.023
1,2-TRANS-DICHLOROETHENE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.010	0.0004	0.0006	0.025
1,2-DICHLOROPROPANE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.075	0.0004	0.0006	0.305
1,3-DICHLOROPROPENE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.075	0.0004	0.0006	0.305
DIETHYL PHTHALATE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.018	0.0481	0.1425	0.043
DIMETHYL PHTHALATE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.007	0.0481	0.1425	0.018
4,6-DINITRO-2-METHYLPHENOL	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.030	0.0481	0.1425	0.106
ETHYLBENZENE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.054	0.0004	0.0006	0.146
FLUORANTHENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.008	0.0481	0.1425	0.021
FLUORENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.007	0.0481	0.1425	0.018
HEXACHLOROBENZENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.075	0.0481	0.1425	0.305
HEXACHLOROBUTADIENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.054	0.0481	0.1425	0.146
HEXACHLOROETHANE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.075	0.0481	0.1425	0.305
METHYLENE CHLORIDE	0.037	2.4	0.0008	0.068	1.0	0.0006	0.0230			0.0242			0.014	0.0007	0.0008	0.065
NAPHTHALENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.007	0.0481	0.1425	0.018
NITRO BENZENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.858	0.0481	0.1425	2.456
2-NITROPHENOL	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	10.0	0.0020	0.025	0.0485	0.1425	0.089
4-NITROPHENOL	0.037			0.068	500.0	0.2850	0.0230	5.0	0.0010	0.0242	10.0	0.0020	0.062	0.0860	0.2850	0.221
PHENANTHRENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.007	0.0481	0.1425	0.018
PYRENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.008	0.0481	0.1425	0.018
TETRACHLOROETHENE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.020	0.0004	0.0006	0.063
TOLUENE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.011	0.0004	0.0006	0.028
1,2,4-TRICHLOROBENZENE	0.037			0.068	250.0	0.1425	0.0230	5.0	0.0010	0.0242	5.0	0.0010	0.075	0.0481	0.1425	0.305
1,1,1-TRICHLOROETHANE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.008	0.0004	0.0006	0.023
1,1,2-TRICHLOROETHANE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.012	0.0004	0.0006	0.049
TRICHLOROETHENE	0.037	1.0	0.0003	0.068	1.0	0.0006	0.0230			0.0242			0.010	0.0004	0.0006	0.026
VINYL CHLORIDE	0.037	1.0	0.0003	0.056	1.0	0.0005	0.0230			0.0242			0.037	0.0004	0.0005	0.066

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

Shaded areas indicates limit was exceeded, compound not detected, but there was an elevated detection limit.

Shaded area indicated limit was exceed and compound was detected .

VDM00933

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IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	17-May-06		18-May-06	
LEAD	0.01	mg/l	0.01	mg/l
ZINC	0.12	MG/L	0.033	MG/L
TOTAL CYANIDE	0.01	MG/L	0.04	MG/L
TOTAL CYANIDE	0.003	# / DAY (0.124)	0.019	# / DAY (0.124)
COD	420	MG/L	90	MG/L
PHENOLICS	0.029	MG/L	0.025	MG/L
PHOSPHOROUS	0.33	MG/L	0.15	MG/L
TOTAL SUSPENDE SOLIDS	42	MG/L	21	MG/L

ISOCHEM Inc - Semi Annual Flow readings - 12/2004 - 5/2005

Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD
1-Dec-05	33907		1-Jan-06	21,258		1-Feb-06	13,085		1-Mar-06	18,049		1-Apr-06	19,746		1-May-06	22,203
2-Dec-05	39028		2-Jan-06	27,791		2-Feb-06	12,178		2-Mar-06	21,695		2-Apr-06	20,636		2-May-06	24,816
3-Dec-05	28032		3-Jan-06	11,933		3-Feb-06	10,209		3-Mar-06	18,950		3-Apr-06	19,149		3-May-06	27,179
4-Dec-05	24441		4-Jan-06	16,970		4-Feb-06	17,795		4-Mar-06	20,492		4-Apr-06	30,508		4-May-06	34,630
5-Dec-05	25164		5-Jan-06	18,456		5-Feb-06	20,721		5-Mar-06	16,509		5-Apr-06	26,460		5-May-06	18,920
6-Dec-05	30780		6-Jan-06	16,101		6-Feb-06	16,645		6-Mar-06	18,481		6-Apr-06	27,038		6-May-06	18,342
7-Dec-05	34965		7-Jan-06	17,074		7-Feb-06	21,305		7-Mar-06	17,364		7-Apr-06	22,383		7-May-06	17,213
8-Dec-05	30414		8-Jan-06	21,406		8-Feb-06	14,333		8-Mar-06	19,072		8-Apr-06	25,429		8-May-06	17,163
9-Dec-05	14387		9-Jan-06	15,231		9-Feb-06	4,848		9-Mar-06	20,143		9-Apr-06	20,814		9-May-06	17,379
10-Dec-05	39758		10-Jan-06	12,207		10-Feb-06	5,757		10-Mar-06	19,094		10-Apr-06	16,705		10-May-06	29,790
11-Dec-05	18242		11-Jan-06	12,538		11-Feb-06	6,517		11-Mar-06	17,994		11-Apr-06	14,533		11-May-06	46,136
12-Dec-05	37117		12-Jan-06	17,631		12-Feb-06	8,845		12-Mar-06	21,766		12-Apr-06	25,342		12-May-06	31,317
13-Dec-05	30054		13-Jan-06	7,101		13-Feb-06	2,085		13-Mar-06	18,725		13-Apr-06	34,077		13-May-06	17,949
14-Dec-05	40890		14-Jan-06	15,623		14-Feb-06	13,759		14-Mar-06	21,635		14-Apr-06	16,950		14-May-06	20,859
15-Dec-05	28935		15-Jan-06	10,434		15-Feb-06	16,791		15-Mar-06	34,614		15-Apr-06	11,737		15-May-06	15,012
16-Dec-05	26690		16-Jan-06	12,382		16-Feb-06	12,264		16-Mar-06	25,375		16-Apr-06	13,733		16-May-06	13,134
17-Dec-05	26630		17-Jan-06	10,713		17-Feb-06	12,014		17-Mar-06	25,375		17-Apr-06	20,817		17-May-06	37,496
18-Dec-05	29514		18-Jan-06	15,492		18-Feb-06	9,997		18-Mar-06	33,788		18-Apr-06	16,205		18-May-06	68,334
19-Dec-05	36850		19-Jan-06	14,875		19-Feb-06	10,240		19-Mar-06	21,232		19-Apr-06	29,358		19-May-06	35,286
20-Dec-05	34581		20-Jan-06	7,350		20-Feb-06	17,339		20-Mar-06	16,919		20-Apr-06	28,106		20-May-06	11,069
21-Dec-05	37542		21-Jan-06	12,881		21-Feb-06	23,539		21-Mar-06	27,002		21-Apr-06	26,052		21-May-06	18,530
22-Dec-05	34153		22-Jan-06	13,677		22-Feb-06	20,222		22-Mar-06	18,302		22-Apr-06	20,892		22-May-06	15,630
23-Dec-05	29926		23-Jan-06	7,982		23-Feb-06	29,150		23-Mar-06	30,581		23-Apr-06	21,310		23-May-06	17,087
24-Dec-05	23539		24-Jan-06	9,365		24-Feb-06	18,116		24-Mar-06	14,371		24-Apr-06	21,965		24-May-06	13,930
25-Dec-05	23341		25-Jan-06	16,103		25-Feb-06	18,440		25-Mar-06	19,685		25-Apr-06	16,039		25-May-06	17,113
26-Dec-05	22872		26-Jan-06	7,443		26-Feb-06	23,061		26-Mar-06	15,016		26-Apr-06	24,050		26-May-06	11,147
27-Dec-05	25458		27-Jan-06	9,798		27-Feb-06	20,233		27-Mar-06	16,919		27-Apr-06	57,750		27-May-06	9,180
28-Dec-05	27582		28-Jan-06	14,999		28-Feb-06	15,324		28-Mar-06	27,002		28-Apr-06	17,470		28-May-06	8,813
29-Dec-05	23225		29-Jan-06	17,978					29-Mar-06	18,302		29-Apr-06	24,326		29-May-06	8,085
30-Dec-05	27735		30-Jan-06	10,266					30-Mar-06	30,581		30-Apr-06	25,399		30-May-06	11,528
31-Dec-05	23967		31-Jan-06	8,947					31-Mar-06	14,371					31-May-06	23,028
Total	909,719			432,006			414,810			659,406			694,976			678,299
Average	29,346			14,234			14,815			21,501			23,166			21,842
Maximum	40,890			27,791			29,150			34,614			57,750			68,334

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III. OTHER PARAMETERS - MASS LIMITS

	27-Jun-06 DAILY FLOW	27-Jun-06 DATA	27-Jun-06 MASS LOAD	28-Jun-06 DAILY FLOW	28-Jun-06 DATA	28-Jun-06 MASS LOAD	ISOCHEM AVG LOAD	ISOCHEM MAX. LOAD	CITY AVG. MASS LIMIT	CITY MAX.. MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN # / DAY	IN # / DAY	IN #/DAY	IN #/DAY
ACENAPHTHENE	0.022	5.0	0.0009	0.022	5.0	0.0009	0.0009	0.0009	0.007	0.018
ANTHRACENE	0.022	5.0	0.0009	0.022	5.0	0.0009	0.0009	0.0009	0.007	0.018
BENZENE	0.022			0.022					0.022	0.051
BIS(2-ETHYLHEXYL) PHALATE	0.022	10.50	0.0019	0.022	5.0	0.0009	0.0014	0.0019	0.036	0.099
CARBON TETRACHLORIDE	0.022			0.022					0.054	0.146
CHLOROBENZENE	0.022			0.022					0.054	0.146
CHLOROETHANE	0.022			0.024					0.042	0.113
CHLOROFORM	0.022			0.024					0.043	0.125
CHLOROMETHANE	0.022			0.024					0.042	0.113
DI-N-BUTYL PHTHALATE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.008	0.016
1,2-DICHLOROBENZENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.075	0.305
1,3-DICHLOROBENZENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.054	0.146
1,4-DICHLOROBENZENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.054	0.146
1,1-DICHLOROETHANE	0.022			0.024					0.008	0.023
1,2-DICHLOROETHANE	0.022			0.024					0.069	0.220
1,1-DICHLOROETHENE	0.022			0.024					0.008	0.023
1,2-TRANS-DICHLOROETHENE	0.022			0.024					0.010	0.025
1,2-DICHLOROPROPANE	0.022			0.024					0.075	0.305
1,3-DICHLOROPROPENE	0.022			0.024					0.075	0.305
DIETHYL PHTHALATE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.018	0.043
DIMETHYL PHTHALATE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.007	0.018
4,6-DINITRO-2-METHYLPHENOL	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.030	0.106
ETHYLBENZENE	0.022			0.024					0.054	0.146
FLUORANTHENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.008	0.021
FLUORENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.007	0.018
HEXACHLOROBENZENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.075	0.305
HEXACHLOROBUTADIENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.054	0.146
HEXACHLOROETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.075	0.305
METHYLENE CHLORIDE	0.022			0.024					0.014	0.065
NAPHTHALENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.007	0.018
NITRO BENZENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.858	2.456

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2-NITROPHENOL	0.022	10.0	0.0018	0.024	10.0	0.0020	0.0019	0.0020	0.025	0.089
4-NITROPHENOL	0.022	10.0	0.0018	0.024	10.0	0.0020	0.0019	0.0020	0.062	0.221
PHENANTHRENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.007	0.018
PYRENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.008	0.018
TETRACHLOROETHENE	0.022			0.024					0.020	0.063
TOLUENE	0.022			0.024					0.011	0.028
1,2,4-TRICHLOROBENZENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.0010	0.0010	0.075	0.305
1,1,1-TRICHLOROETHANE	0.022			0.024					0.008	0.023
1,1,2-TRICHLOROETHANE	0.022			0.024					0.012	0.049
TRICHLOROETHENE	0.022			0.024					0.010	0.026
VINYL CHLORIDE	0.022			0.024					0.037	0.066

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

ISOCHEM Inc - Semi Annual WWTP Results

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I. FLOWS

see attached flow report. All days are included.

II. pH

% COMPLIANCE

III. OTHER PARAMETERS - MASS LIMITS

	25-Oct-06 DAILY FLOW	25-Oct-06 DATA	25-Oct-06 MASS LOAD	26-Oct-06 DAILY FLOW	26-Oct-06 DATA	26-Oct-06 MASS LOAD	17-Nov-06 DAILY FLOW	17-Nov-06 DATA	17-Nov-06 MASS LOAD	21-Nov-06 DAILY FLOW	21-Nov-06 DATA	21-Nov-06 MASS LOAD	CITY AVG. MASS LIMIT	ISOCHEM AVG LOAD	ISOCHEM MAX. LOAD	CITY MAX. MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN #/DAY	IN # / DAY	IN # / DAY	IN #/DAY
ACENAPHTHENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.007	0.0006	0.0000	0.018
ANTHRACENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.007	0.0006	0.0000	0.018
BENZENE	0.018	4.6	0.0007	0.019	4.6	0.0007	0.0201			0.0103			0.022	0.0007	0.0007	0.051
BIS(2-ETHYLHEXYL) PHALATE	0.018			0.019			0.0201	5.1	0.0009	0.0103	10.5	0.0009	0.036	0.0009	0.0000	0.099
CARBON TETRACHLORIDE	0.018	6.0	0.0009	0.019	6.0	0.0010	0.0201			0.0103			0.054	0.0009	0.0010	0.146
CHLOROBENZENE	0.018	9.2	0.0014	0.019	11.4	0.0018	0.0201			0.0103			0.054	0.0016	0.0018	0.146
CHLOROETHANE	0.018	8.0	0.0012	0.019	8.0	0.0013	0.0201			0.0103			0.042	0.0012	0.0013	0.113
CHLOROFORM	0.018	8.1	0.0012	0.019	8.1	0.0013	0.0201			0.0103			0.043	0.0012	0.0013	0.125
CHLOROMETHANE	0.018	8.0	0.0012	0.019	8.0	0.0013	0.0201			0.0103			0.042	0.0012	0.0013	0.113
DI-N-BUTYL PHTHALATE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.008	0.0006	0.0000	0.016
1,2-DICHLOROBENZENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.075	0.0006	0.0000	0.305
1,3-DICHLOROBENZENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.054	0.0006	0.0000	0.146
1,4-DICHLOROBENZENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.054	0.0006	0.0000	0.146
1,1-DICHLOROETHANE	0.018	5.0	0.0007	0.019	5.0	0.0008	0.0201			0.0103			0.008	0.0008	0.0008	0.023
1,2-DICHLOROETHANE	0.018	6.8	0.0010	0.019	6.8	0.0011	0.0201			0.0103			0.069	0.0010	0.0011	0.220
1,1-DICHLOROETHENE	0.018	6.1	0.0009	0.019	6.1	0.0010	0.0201			0.0103			0.008	0.0009	0.0010	0.023
1,2-TRANS-DICHLOROETHENE	0.018	5.0	0.0007	0.019	5.0	0.0008	0.0201			0.0103			0.010	0.0008	0.0008	0.025
1,2-DICHLOROPROPANE	0.018	5.9	0.0009	0.019	5.9	0.0009	0.0201			0.0103			0.075	0.0009	0.0009	0.305
1,3-DICHLOROPROPENE	0.018	5.8	0.0009	0.019	5.8	0.0009	0.0201			0.0103			0.075	0.0009	0.0009	0.305
DIETHYL PHTHALATE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.018	0.0006	0.0000	0.043
DIMETHYL PHTHALATE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.007	0.0006	0.0000	0.018
4,6-DINITRO-2-METHYLPHENOL	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.030	0.0006	0.0000	0.106
ETHYLBENZENE	0.018	5.8	0.0009	0.019	5.8	0.0009	0.0201			0.0103			0.054	0.0009	0.0009	0.146
FLUORANTHENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.008	0.0006	0.0000	0.021
FLUORENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.007	0.0006	0.0000	0.018
HEXACHLOROBENZENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.075	0.0006	0.0000	0.305
HEXACHLOROBUTADIENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.054	0.0006	0.0000	0.146
HEXACHLOROETHANE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.075	0.0006	0.0000	0.305
METHYLENE CHLORIDE	0.018	5.8	0.0009	0.019	5.8	0.0009	0.0201			0.0103			0.014	0.0009	0.0009	0.065
NAPHTHALENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.007	0.0006	0.0000	0.018
NITRO BENZENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.858	0.0006	0.0000	2.456
2-NITROPHENOL	0.018			0.019			0.0201	5.0	0.0008	0.0103	10.0	0.0009	0.025	0.0008	0.0000	0.089
4-NITROPHENOL	0.018			0.019			0.0201	10.0	0.0017	0.0103	10.0	0.0009	0.062	0.0013	0.0000	0.221
PHENANTHRENE	0.018			0.019			0.0201	10.0	0.0017	0.0103	5.0	0.0004	0.007	0.0010	0.0000	0.018
PYRENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.008	0.0006	0.0000	0.018
TETRACHLOROETHENE	0.018	4.3	0.0006	0.019	4.3	0.0007	0.0201			0.0103			0.020	0.0007	0.0007	0.063
TOLUENE	0.018	4.9	0.0007	0.019	4.9	0.0008	0.0201			0.0103			0.011	0.0008	0.0008	0.028
1,2,4-TRICHLOROBENZENE	0.018			0.019			0.0201	5.0	0.0008	0.0103	5.0	0.0004	0.075	0.0006	0.0000	0.305
1,1,1-TRICHLOROETHANE	0.018	6.5	0.0010	0.019	6.5	0.0010	0.0201			0.0103			0.008	0.0010	0.0010	0.023
1,1,2-TRICHLOROETHANE	0.018	17.0	0.0025	0.019	17.0	0.0027	0.0201			0.0103			0.012	0.0026	0.0027	0.049
TRICHLOROETHENE	0.018	6.2	0.0009	0.019	6.2	0.0010	0.0201			0.0103			0.010	0.0010	0.0010	0.026
VINYL CHLORIDE	0.018	8.0	0.0012	0.056	8.0	0.0037	0.0201			0.0103			0.037	0.0025	0.0037	0.066

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

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IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	25-Oct-06		26-Oct-06	
LEAD	0.01	mg/l	0.01	mg/l
ZINC	0.149	MG/L	0.074	MG/L
TOTAL CYANIDE	0.01	MG/L	0.011	MG/L
TOTAL CYANIDE	0.001	# / DAY (0.124)	0.005	# / DAY (0.124)
COD	3125	MG/L	4145	MG/L
PHENOLICS	0.005	MG/L	0.028	MG/L
PHOSPHOROUS	0.11	MG/L	0.11	MG/L
TOTAL SUSPENDED SOLIDS	37	MG/L	30	MG/L

ISOICHEM Inc - Semi Annual Flow readings - 06/2006-11/2006

Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD
1-Jun-06	22901		1-Jul-06	8,948		1-Aug-06	21,651		1-Sep-06	13,424		1-Oct-06	5,480
2-Jun-06	8575		2-Jul-06	7,603		2-Aug-06	11,553		2-Sep-06	12,151		2-Oct-06	5,480
3-Jun-06	11087		3-Jul-06	7,659		3-Aug-06	11,166		3-Sep-06	11,967		3-Oct-06	1,655
4-Jun-06	11552		4-Jul-06	10,928		4-Aug-06	16,755		4-Sep-06	12,820		4-Oct-06	14,663
5-Jun-06	10653		5-Jul-06	12,430		5-Aug-06	12,150		5-Sep-06	17,870		5-Oct-06	16,713
6-Jun-06	15323		6-Jul-06	11,678		6-Aug-06	10,886		6-Sep-06	17,815		6-Oct-06	15,673
7-Jun-06	18231		7-Jul-06	8,014		7-Aug-06	8,290		7-Sep-06	18,995		7-Oct-06	11,837
8-Jun-06	21924		8-Jul-06	1,952		8-Aug-06	13,508		8-Sep-06	15,396		8-Oct-06	14,847
9-Jun-06	17065		9-Jul-06	7,607		9-Aug-06	13,372		9-Sep-06	9,230		9-Oct-06	15,658
10-Jun-06	17731		10-Jul-06	13,264		10-Aug-06	17,925		10-Sep-06	14,102		10-Oct-06	22,023
11-Jun-06	14951		11-Jul-06	17,462		11-Aug-06	11,016		11-Sep-06	12,125		11-Oct-06	17,675
12-Jun-06	13470		12-Jul-06	31,328		12-Aug-06	10,414		12-Sep-06	11,905		12-Oct-06	19,191
13-Jun-06	23990		13-Jul-06	31,523		13-Aug-06	6,490		13-Sep-06	18,209		13-Oct-06	15,039
14-Jun-06	28212		14-Jul-06	19,645		14-Aug-06	6,241		14-Sep-06	19,725		14-Oct-06	14,226
15-Jun-06	25016		15-Jul-06	12,149		15-Aug-06	14,343		15-Sep-06	13,709		15-Oct-06	12,301
16-Jun-06	16887		16-Jul-06	11,347		16-Aug-06	13,710		16-Sep-06	13,836		16-Oct-06	13,719
17-Jun-06	15635		17-Jul-06	15,851		17-Aug-06	37,599		17-Sep-06	13,276		17-Oct-06	14,663
18-Jun-06	13335		18-Jul-06	23,068		18-Aug-06	4,966		18-Sep-06	23,708		18-Oct-06	13,080
19-Jun-06	15608		19-Jul-06	27,927		19-Aug-06	9,344		19-Sep-06	17,641		19-Oct-06	15,033
20-Jun-06	16516		20-Jul-06	21,370		20-Aug-06	12,905		20-Sep-06	17,252		20-Oct-06	15,319
21-Jun-06	18836		21-Jul-06	18,620		21-Aug-06	12,786		21-Sep-06	24,079		21-Oct-06	16,894
22-Jun-06	12245		22-Jul-06	16,576		22-Aug-06	17,287		22-Sep-06	43,399		22-Oct-06	16,265
23-Jun-06	17272		23-Jul-06	15,093		23-Aug-06	9,697		23-Sep-06	10,755		23-Oct-06	15,899
24-Jun-06	7927		24-Jul-06	13,299		24-Aug-06	15,728		24-Sep-06	1,721		24-Oct-06	18,307
25-Jun-06	13267		25-Jul-06	20,653		25-Aug-06	19,781		25-Sep-06	2,208		25-Oct-06	17,875
26-Jun-06	16359		26-Jul-06	21,496		26-Aug-06	6,680		26-Sep-06	8,796		26-Oct-06	7,311
27-Jun-06	22380		27-Jul-06	34,226		27-Aug-06	14,717		27-Sep-06	7,941		27-Oct-06	8,474
28-Jun-06	24237		28-Jul-06	19,503		28-Aug-06	15,127		28-Sep-06	2,038		28-Oct-06	12,529
29-Jun-06	11905		29-Jul-06	20,008		29-Aug-06	39218		29-Sep-06	5,480		29-Oct-06	13,528
30-Jun-06	10136		30-Jul-06	19,224		30-Aug-06	31466		30-Sep-06	5,480		30-Oct-06	12,327
31-Dec-05	23967		31-Jul-06	14,468		31-Aug-06	13551					31-Oct-06	16188
Total	517,193			514,922			460,320			417,055			429,874
Average	16,684			16,594			14,892			13,902			13,790
Maximum	28,212			34,226			39,218			43,399			22,023
													43,351

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III. OTHER PARAMETERS - MASS LIMITS

	07-Mar-07 DAILY FLOW	07-Mar-07 DATA	07-Mar-07 MASS LOAD	08-Mar-07 DAILY FLOW	08-Mar-07 DATA	08-Mar-07 MASS LOAD	CITY AVG. MASS LIMIT	ISOCHEM AVG LOAD	ISOCHEM MAX. LOAD	CITY MAX.. MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN #/DAY	IN # / DAY	IN # / DAY	IN #/DAY
ACENAPHTHENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.007	0.0008	0.0010	0.018
ANTHRACENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.007	0.0008	0.0010	0.018
BENZENE	0.014	4.6	0.0005	0.025	4.6	0.0010	0.022	0.0007	0.0010	0.051
BIS(2-ETHYLHEXYL) PHALATE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.036	0.0008	0.0010	0.099
CARBON TETRACHLORIDE	0.014	6.0	0.0007	0.025	6.0	0.0013	0.054	0.0010	0.0013	0.146
CHLOROBENZENE	0.014	15.7	0.0018	0.025	13.6	0.0028	0.054	0.0023	0.0028	0.146
CHLOROETHANE	0.014	8.0	0.0009	0.025	8.0	0.0017	0.042	0.0013	0.0017	0.113
CHLOROFORM	0.014	8.1	0.0009	0.025	8.1	0.0017	0.043	0.0013	0.0017	0.125
CHLOROMETHANE	0.014	8.0	0.0009	0.025	8.0	0.0017	0.042	0.0013	0.0017	0.113
DI-N-BUTYL PHTHALATE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.008	0.0008	0.0010	0.016
1,2-DICHLOROBENZENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.075	0.0008	0.0010	0.305
1,3-DICHLOROBENZENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.054	0.0008	0.0010	0.146
1,4-DICHLOROBENZENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.054	0.0008	0.0010	0.146
1,1-DICHLOROETHANE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.008	0.0008	0.0010	0.023
1,2-DICHLOROETHANE	0.014	6.8	0.0008	0.025	6.8	0.0014	0.069	0.0011	0.0014	0.220
1,1-DICHLOROETHENE	0.014	6.1	0.0007	0.025	6.1	0.0013	0.008	0.0010	0.0013	0.023
1,2-TRANS-DICHLOROETHENE	0.014	3.6	0.0004	0.025	3.6	0.0008	0.010	0.0006	0.0008	0.025
1,2-DICHLOROPROPANE	0.014	5.9	0.0007	0.025	5.9	0.0012	0.075	0.0010	0.0012	0.305
1,3-DICHLOROPROPENE	0.014	5.8	0.0007	0.025	5.8	0.0012	0.075	0.0009	0.0012	0.305
DIETHYL PHTHALATE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.018	0.0008	0.0010	0.043
DIMETHYL PHTHALATE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.007	0.0008	0.0010	0.018
4,6-DINITRO-2-METHYLPHENOL	0.014	5.0	0.0006	0.025	5.0	0.0010	0.030	0.0008	0.0010	0.106
ETHYLBENZENE	0.014	5.8	0.0007	0.025	5.8	0.0012	0.054	0.0009	0.0012	0.146
FLUORANTHENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.008	0.0008	0.0010	0.021
FLUORENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.007	0.0008	0.0010	0.018
HEXACHLOROBENZENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.075	0.0008	0.0010	0.305
HEXACHLOROBUTADIENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.054	0.0008	0.0010	0.146
HEXACHLOROETHANE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.075	0.0008	0.0010	0.305
METHYLENE CHLORIDE	0.014	5.8	0.0007	0.025	5.8	0.0012	0.014	0.0009	0.0012	0.065
NAPHTHALENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.007	0.0008	0.0010	0.018
NITRO BENZENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.858	0.0008	0.0010	2.456
2-NITROPHENOL	0.014	5.0	0.0006	0.025	5.0	0.0010	0.025	0.0008	0.0010	0.089
4-NITROPHENOL	0.014	10.0	0.0012	0.025	10.0	0.0021	0.062	0.0016	0.0021	0.221

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PHENANTHRENE	0.014	10.0	0.0012	0.025	10.0	0.0021	0.007	0.0016	0.0021	0.018	0	0
PYRENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.008	0.0008	0.0010	0.018	0	0
TETRACHLOROETHENE	0.014	4.3	0.0005	0.025	4.3	0.0009	0.020	0.0007	0.0009	0.063	0	0
TOLUENE	0.014	4.9	0.0006	0.025	4.9	0.0010	0.011	0.0008	0.0010	0.028	0	0
1,2,4-TRICHLOROBENZENE	0.014	5.0	0.0006	0.025	5.0	0.0010	0.075	0.0008	0.0010	0.305	0	0
1,1,1-TRICHLOROETHANE	0.014	6.5	0.0008	0.025	6.5	0.0014	0.008	0.0011	0.0014	0.023	0	0
1,1,2-TRICHLOROETHANE	0.014	17.0	0.0020	0.025	17.0	0.0035	0.012	0.0028	0.0035	0.049	0	0
TRICHLOROETHENE	0.014	6.2	0.0007	0.025	6.2	0.0013	0.010	0.0010	0.0013	0.026	0	0
VINYL CHLORIDE	0.014	8.0	0.0009	0.025	8.0	0.0017	0.037	0.0013	0.0017	0.066	0	0

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	07-Mar-07		08-Mar-07		29-Mar-07	
LEAD	0.01	mg/l	0.01	mg/l		
ZINC	0.079	MG/L	0.062	MG/L		
TOTAL CYANIDE	0.01	MG/L	0.01	MG/L		
TOTAL CYANIDE	0.001	# / DAY (0.124)	0.002	# / DAY (0.124)		
COD	1275	MG/L	1600	MG/L		
PHENOLICS	0.152	MG/L	0.02	MG/L	0.02	MG/L
PHOSPHOROUS	0.38	MG/L	0.3	MG/L		
TOTAL SUSPENDED SOLIDS	51	MG/L	43	MG/L		

ISOCHEM Inc - Semi Annual Flow readings - 12/2004 - 5/2005

Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD
1-Dec-06	21,796		1-Jan-07	15,421		1-Feb-07	33,024		1-Mar-07	18,595		1-Apr-07	18,599		1-May-07	12,766
2-Dec-06	11,728		2-Jan-07	14,996		2-Feb-07	15,383		2-Mar-07	15,893		2-Apr-07	29,003		2-May-07	23,318
3-Dec-06	14,887		3-Jan-07	18,870		3-Feb-07	15,213		3-Mar-07	16,751		3-Apr-07	20,656		3-May-07	17,860
4-Dec-06	9,693		4-Jan-07	24,651		4-Feb-07	10,785		4-Mar-07	17,121		4-Apr-07	16,467		4-May-07	3,665
5-Dec-06	9,421		5-Jan-07	12,758		5-Feb-07	23,107		5-Mar-07	12,155		5-Apr-07	21,096		5-May-07	1,795
6-Dec-06	9,432		6-Jan-07	9,530		6-Feb-07	28,779		6-Mar-07	12,855		6-Apr-07	18,313		6-May-07	18,754
7-Dec-06	16,470		7-Jan-07	12,735		7-Feb-07	21,741		7-Mar-07	13,940		7-Apr-07	20,324		7-May-07	11,282
8-Dec-06	18,660		8-Jan-07	14,535		8-Feb-07	14,637		8-Mar-07	25,007		8-Apr-07	17,088		8-May-07	9,455
9-Dec-06	17,772		9-Jan-07	16,260		9-Feb-07	17,775		9-Mar-07	16,332		9-Apr-07	10,098		9-May-07	22,907
10-Dec-06	14,593		10-Jan-07	23,462		10-Feb-07	14,770		10-Mar-07	13,634		10-Apr-07	9,511		10-May-07	21,179
11-Dec-06	8,095		11-Jan-07	35,134		11-Feb-07	11,592		11-Mar-07	14,325		11-Apr-07	7,848		11-May-07	7,325
12-Dec-06	12,121		12-Jan-07	13,807		12-Feb-07	12,081		12-Mar-07	12,115		12-Apr-07	14,319		12-May-07	10,845
13-Dec-06	20,194		13-Jan-07	15,372		13-Feb-07	20,644		13-Mar-07	18,239		13-Apr-07	11,820		13-May-07	11,902
14-Dec-06	19,837		14-Jan-07	15,422		14-Feb-07	28,702		14-Mar-07	9,784		14-Apr-07	8,981		14-May-07	7,909
15-Dec-06	13,679		15-Jan-07	12,495		15-Feb-07	14,123		15-Mar-07	16,209		15-Apr-07	9,670		15-May-07	10,935
16-Dec-06	13,361		16-Jan-07	21,194		16-Feb-07	17,559		16-Mar-07	15,346		16-Apr-07	17,664		16-May-07	24,214
17-Dec-06	6,855		17-Jan-07	24,610		17-Feb-07	16,267		17-Mar-07	16,129		17-Apr-07	27,975		17-May-07	22,430
18-Dec-06	8,487		18-Jan-07	12,266		18-Feb-07	16,376		18-Mar-07	18,158		18-Apr-07	17,818		18-May-07	16,615
19-Dec-06	9,793		19-Jan-07	13,517		19-Feb-07	15,381		19-Mar-07	19,071		19-Apr-07	11,461		19-May-07	6,473
20-Dec-06	12,870		20-Jan-07	14,140		20-Feb-07	35,828		20-Mar-07	23,737		20-Apr-07	6,514		20-May-07	9,335
21-Dec-06	30,509		21-Jan-07	9,491		21-Feb-07	27,862		21-Mar-07	28,885		21-Apr-07	22,302		21-May-07	8,515
22-Dec-06	8,168		22-Jan-07	9,886		22-Feb-07	24,497		22-Mar-07	24,462		22-Apr-07	17,507		22-May-07	13,460
23-Dec-06	6,322		23-Jan-07	23,524		23-Feb-07	20,130		23-Mar-07	18,846		23-Apr-07	6,236		23-May-07	14,816
24-Dec-06	4,903		24-Jan-07	27,245		24-Feb-07	18,527		24-Mar-07	17,672		24-Apr-07	16,494		24-May-07	23,432
25-Dec-06	4,588		25-Jan-07	17,346		25-Feb-07	19,437		25-Mar-07	22,322		25-Apr-07	27,314		25-May-07	8,500
26-Dec-06	4,589		26-Jan-07	14,345		26-Feb-07	13,032		26-Mar-07	13,263		26-Apr-07	17,796		26-May-07	6,595
27-Dec-06	9,590		27-Jan-07	11,227		27-Feb-07	10,427		27-Mar-07	50,383		27-Apr-07	18,405		27-May-07	13,875
28-Dec-06	16,001		28-Jan-07	17,412		28-Feb-07	11,775		28-Mar-07	26,389		28-Apr-07	21,715		28-May-07	15,049
29-Dec-06	11,304		29-Jan-07	16,793					29-Mar-07	20,458		29-Apr-07	15,571		29-May-07	10,229
30-Dec-06	15,575		30-Jan-07	15,299					30-Mar-07	15,290		30-Apr-07	11,941		30-May-07	15,676
31-Dec-06	11,994		31-Jan-07	30,965					31-Mar-07	24,365					31-May-07	15,916
Total	393,283			534,706			529,452			587,731			490,508			417,027
Average	12,687			16,843			18,909			18,779			16,350			13,370
Maximum	30,509			35,134			35,828			50,383			29,003			24,214

VanDeMark Chemical Inc - Semi Annual WWTP Results

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I. FLOWS

see attached flow report. All days are included.

II. pH	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07
% COMPLIANCE	99.93%	99.98%	99.56%	99.58%	99.73%	99.97%

III. OTHER PARAMETERS - MASS LIMITS

	26-Sep-07 DAILY FLOW	26-Sep-07 DATA	26-Sep-07 MASS LOAD	27-Sep-07 DAILY FLOW	27-Sep-07 DATA	27-Sep-07 MASS LOAD	CITY AVG. MASS LIMIT	VDM AVG LOAD	VDM MAX. LOAD	CITY MAX.. MASS LIMIT	Exceed =1	Exceed =1
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN #/DAY	IN # / DAY	IN # / DAY	IN #/DAY		
ACENAPHTHENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.007	0.0008	0.0008	0.018	0	0
ANTHRACENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.007	0.0008	0.0008	0.018	0	0
BENZENE	0.019	4.6	0.0007	0.017	4.6	0.0007	0.022	0.0007	0.0007	0.051	0	0
BIS(2-ETHYLHEXYL) PHALATE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.036	0.0008	0.0008	0.099	0	0
CARBON TETRACHLORIDE	0.019	6.0	0.0010	0.017	6.0	0.0009	0.054	0.0009	0.0010	0.146	0	0
CHLOROBENZENE	0.019	7.1	0.0011	0.017	9.1	0.0013	0.054	0.0012	0.0013	0.146	0	0
CHLOROETHANE	0.019	8.0	0.0013	0.017	8.0	0.0012	0.042	0.0012	0.0013	0.113	0	0
CHLOROFORM	0.019	8.1	0.0013	0.017	8.1	0.0012	0.043	0.0012	0.0013	0.125	0	0
CHLOROMETHANE	0.019	8.0	0.0013	0.017	15.7	0.0023	0.042	0.0018	0.0023	0.113	0	0
DI-N-BUTYL PHTHALATE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.008	0.0008	0.0008	0.016	0	0
1,2-DICHLOROBENZENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.075	0.0008	0.0008	0.305	0	0
1,3-DICHLOROBENZENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.054	0.0008	0.0008	0.146	0	0
1,4-DICHLOROBENZENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.054	0.0008	0.0008	0.146	0	0
1,1-DICHLOROETHANE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.008	0.0008	0.0008	0.023	0	0
1,2-DICHLOROETHANE	0.019	6.8	0.0011	0.017	6.8	0.0010	0.069	0.0010	0.0011	0.220	0	0
1,1-DICHLOROETHENE	0.019	6.1	0.0010	0.017	6.1	0.0009	0.008	0.0009	0.0010	0.023	0	0
1,2-TRANS-DICHLOROETHENE	0.019	3.6	0.0006	0.017	3.6	0.0005	0.010	0.0006	0.0006	0.025	0	0
1,2-DICHLOROPROPANE	0.019	5.9	0.0010	0.017	5.9	0.0009	0.075	0.0009	0.0010	0.305	0	0
1,3-DICHLOROPROPENE	0.019	5.8	0.0009	0.017	5.8	0.0008	0.075	0.0009	0.0009	0.305	0	0
DIETHYL PHTHALATE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.018	0.0008	0.0008	0.043	0	0
DIMETHYL PHTHALATE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.007	0.0008	0.0008	0.018	0	0
4,6-DINITRO-2-METHYLPHENOL	0.019	5.0	0.0008	0.017	5.0	0.0007	0.030	0.0008	0.0008	0.106	0	0
ETHYLBENZENE	0.019	5.8	0.0009	0.017	5.8	0.0008	0.054	0.0009	0.0009	0.146	0	0
FLUORANTHENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.008	0.0008	0.0008	0.021	0	0
FLUORENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.007	0.0008	0.0008	0.018	0	0
HEXACHLOROBENZENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.075	0.0008	0.0008	0.305	0	0
HEXACHLOROBUTADIENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.054	0.0008	0.0008	0.146	0	0
HEXACHLOROETHANE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.075	0.0008	0.0008	0.305	0	0
METHYLENE CHLORIDE	0.019	5.8	0.0009	0.017	5.8	0.0008	0.014	0.0009	0.0009	0.065	0	0
NAPHTHALENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.007	0.0008	0.0008	0.018	0	0
NITRO BENZENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.858	0.0008	0.0008	2.456	0	0
2-NITROPHENOL	0.019	5.0	0.0008	0.017	5.0	0.0007	0.025	0.0008	0.0008	0.089	0	0
4-NITROPHENOL	0.019	10.0	0.0016	0.017	10.0	0.0014	0.062	0.0015	0.0016	0.221	0	0

VanDeMark Chemical Inc - Semi Annual WWTP Results

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PHENANTHRENE	0.019	10.0	0.0016	0.017	10.0	0.0014	0.007	0.0015	0.0016	0.018	0	0
PYRENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.008	0.0008	0.0008	0.018	0	0
TETRACHLOROETHENE	0.019	4.3	0.0007	0.017	4.3	0.0006	0.020	0.0007	0.0007	0.063	0	0
TOLUENE	0.019	4.9	0.0008	0.017	4.9	0.0007	0.011	0.0007	0.0008	0.028	0	0
1,2,4-TRICHLOROBENZENE	0.019	5.0	0.0008	0.017	5.0	0.0007	0.075	0.0008	0.0008	0.305	0	0
1,1,1-TRICHLOROETHANE	0.019	6.5	0.0010	0.017	6.5	0.0009	0.008	0.0010	0.0010	0.023	0	0
1,1,2-TRICHLOROETHANE	0.019	17.0	0.0027	0.017	17.0	0.0025	0.012	0.0026	0.0027	0.049	0	0
TRICHLOROETHENE	0.019	6.2	0.0010	0.017	6.2	0.0009	0.010	0.0009	0.0010	0.026	0	0
VINYL CHLORIDE	0.019	8.0	0.0013	0.017	8.0	0.0012	0.037	0.0012	0.0013	0.066	0	0

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

VanDeMark Chemical Inc - Semi Annual WWTP Results

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IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	07-Mar-07		08-Mar-07		29-Mar-07	
LEAD	0.01	mg/l	0.01	mg/l		
ZINC	0.087	MG/L	0.062	MG/L		
TOTAL CYANIDE	0.014	MG/L	0.031	MG/L		
TOTAL CYANIDE	0.002	# / DAY (0.124)	0.004	# / DAY (0.124)		
COD	2500	MG/L	1750	MG/L		
PHENOLICS	0.02	MG/L	0.534	MG/L	0.02	MG/L
PHOSPHOROUS	0.055	MG/L	0.055	MG/L		
TOTAL SUSPENDED SOLIDS	11	MG/L	12	MG/L		

ISOCHEM Inc - Semi Annual Flow readings - 12/2004 - 5/2005

Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD	
1-Jun-07	10,317		1-Jul-07	3,314		1-Aug-07	16,006		1-Sep-07	17,523		1-Oct-07	9,418	
2-Jun-07	9,453		2-Jul-07	45,631		2-Aug-07	9,945		2-Sep-07	12,896		2-Oct-07	15,499	
3-Jun-07	7,727		3-Jul-07	61,191		3-Aug-07	6,609		3-Sep-07	10,989		3-Oct-07	21,517	
4-Jun-07	6,232		4-Jul-07	2,917		4-Aug-07	16,291		4-Sep-07	18,586		4-Oct-07	22,240	
5-Jun-07	10,501		5-Jul-07	4,713		5-Aug-07	7,494		5-Sep-07	12,772		5-Oct-07	17,424	
6-Jun-07	15,625		6-Jul-07	2,929		6-Aug-07	9,164		6-Sep-07	12,140		6-Oct-07	14,478	
7-Jun-07	12,768		7-Jul-07	9,736		7-Aug-07	18,963		7-Sep-07	9,407		7-Oct-07	17,791	
8-Jun-07	10,373		8-Jul-07	7,055		8-Aug-07	18,558		8-Sep-07	7,768		8-Oct-07	15,155	
9-Jun-07	8,151		9-Jul-07	5,666		9-Aug-07	7,449		9-Sep-07	8,393		9-Oct-07	19,403	
10-Jun-07	13,065		10-Jul-07	16,287		10-Aug-07	7,826		10-Sep-07	14,039		10-Oct-07	20,805	
11-Jun-07	10,047		11-Jul-07	26,324		11-Aug-07	24,922		11-Sep-07	25,270		11-Oct-07	31,194	
12-Jun-07	15,270		12-Jul-07	16,734		12-Aug-07	19,481		12-Sep-07	27,509		12-Oct-07	18,915	
13-Jun-07	18,787		13-Jul-07	15,334		13-Aug-07	17,239		13-Sep-07	30,437		13-Oct-07	15,967	
14-Jun-07	22,024		14-Jul-07	9,531		14-Aug-07	22,161		14-Sep-07	22,222		14-Oct-07	15,393	
15-Jun-07	12,343		15-Jul-07	9,531		15-Aug-07	16,374		15-Sep-07	14,854		15-Oct-07	20,878	
16-Jun-07	12,453		16-Jul-07	9,917		16-Aug-07	24,241		16-Sep-07	12,717		16-Oct-07	26,172	
17-Jun-07	12,636		17-Jul-07	9,397		17-Aug-07	7,350		17-Sep-07	20,250		17-Oct-07	28,355	
18-Jun-07	15,680		18-Jul-07	10,822		18-Aug-07	8,691		18-Sep-07	23,476		18-Oct-07	18,205	
19-Jun-07	3,036		19-Jul-07	17,605		19-Aug-07	10,036		19-Sep-07	26,021		19-Oct-07	17,238	
20-Jun-07	75		20-Jul-07	10,669		20-Aug-07	6,552		20-Sep-07	17,807		20-Oct-07	8,759	
21-Jun-07	150		21-Jul-07	6,391		21-Aug-07	4,349		21-Sep-07	22,367		21-Oct-07	13,190	
22-Jun-07	374		22-Jul-07	5,755		22-Aug-07	12,460		22-Sep-07	23,968		22-Oct-07	11,917	
23-Jun-07	1,646		23-Jul-07	4,037		23-Aug-07	9,811		23-Sep-07	17,247		23-Oct-07	24,530	
24-Jun-07	5,887		24-Jul-07	26,660		24-Aug-07	13,262		24-Sep-07	10,169		24-Oct-07	16,381	
25-Jun-07	972		25-Jul-07	8,460		25-Aug-07	10,927		25-Sep-07	10,981		25-Oct-07	13,280	
26-Jun-07	44,434		26-Jul-07	6,062		26-Aug-07	5,670		26-Sep-07	19,364		26-Oct-07	8,821	
27-Jun-07	69,719		27-Jul-07	5,937		27-Aug-07	7,406		27-Sep-07	17,337		27-Oct-07	14,756	
28-Jun-07	37,702		28-Jul-07	12,177		28-Aug-07	14,191		28-Sep-07	9,527		28-Oct-07	15,197	
29-Jun-07	2,734		29-Jul-07	9,133		29-Aug-07	18233		29-Sep-07	10,462		29-Oct-07	2,843	
30-Jun-07	5,958		30-Jul-07	7,412		30-Aug-07	15040		30-Sep-07	11,076		30-Oct-07	11,194	
			31-Jul-07	17,791		31-Aug-07	11799					31-Oct-07	11456	
Total	396,139			405,118			398,500			497,574			518,371	
Average	12,779			13,101			12,890			16,586			16,897	
Maximum	69,719			61,191			24,922			30,437			31,194	

VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

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4-NITROPHENOL	0.024	10.0	0.0020	0.029	10.0	0.0024	0.062	0.0022	0.0024	0.221	0	0
PHENANTHRENE	0.024	10.0	0.0020	0.029	10.0	0.0024	0.007	0.0022	0.0024	0.018	0	0
PYRENE	0.024	5.0	0.0010	0.029	5.0	0.0012	0.008	0.0011	0.0012	0.018	0	0
TETRACHLOROETHENE	0.025	4.3	0.0009	0.029	4.3	0.0010	0.020	0.0010	0.0010	0.063	0	0
TOLUENE	0.025	18.9	0.0040	0.029	17.7	0.0042	0.011	0.0041	0.0042	0.028	0	0
1,2,4-TRICHLOROBENZENE	0.024	5.0	0.0010	0.029	5.0	0.0012	0.075	0.0011	0.0012	0.305	0	0
1,1,1-TRICHLOROETHANE	0.025	6.5	0.0014	0.029	6.5	0.0016	0.008	0.0015	0.0016	0.023	0	0
1,1,2-TRICHLOROETHANE	0.025	17.0	0.0036	0.029	17.0	0.0041	0.012	0.0038	0.0041	0.049	0	0
TRICHLOROETHENE	0.025	6.2	0.0013	0.029	6.2	0.0015	0.010	0.0014	0.0015	0.026	0	0
VINYL CHLORIDE	0.025	8.0	0.0017	0.029	8.0	0.0019	0.037	0.0018	0.0019	0.066	0	0

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	14-Mar-08		13-Mar-08			
LEAD	0.01	mg/l	0.019	mg/l		
ZINC	0.043	MG/L	0.071	MG/L		
TOTAL CYANIDE	0.019	MG/L	0.026	MG/L		
TOTAL CYANIDE	0.004	# / DAY	0.006	# / DAY		
COD	1350	MG/L	1200	MG/L		
PHENOLICS	43.5	MG/L	34.4	MG/L		
PHOSPHOROUS	0.57	MG/L	0.68	MG/L		
TOTAL SUSPENDED SOLIDS	52	MG/L	67	MG/L		

VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 12/2007 - 5/2008

Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD	
1-Dec-07	10,452		1-Jan-08	12,925		1-Feb-08	15,732		1-Mar-08	27,442		1-Apr-08	15,234	
2-Dec-07	9,437		2-Jan-08	21,071		2-Feb-08	14,182		2-Mar-08	26,651		2-Apr-08	18,176	
3-Dec-07	18489		3-Jan-08	16,561		3-Feb-08	17,637		3-Mar-08	25,389		3-Apr-08	19,221	
4-Dec-07	25625		4-Jan-08	30,957		4-Feb-08	17,013		4-Mar-08	28,065		4-Apr-08	18,362	
5-Dec-07	39450		5-Jan-08	24,236		5-Feb-08	27,855		5-Mar-08	25,905		5-Apr-08	17,604	
6-Dec-07	31850		6-Jan-08	12,714		6-Feb-08	32,247		6-Mar-08	25,473		6-Apr-08	14,400	
7-Dec-07	15654		7-Jan-08	17,859		7-Feb-08	24,610		7-Mar-08	22,592		7-Apr-08	15,948	
8-Dec-07	13366		8-Jan-08	18,706		8-Feb-08	19,709		8-Mar-08	21,952		8-Apr-08	25,865	
9-Dec-07	18038		9-Jan-08	19,842		9-Feb-08	14,526		9-Mar-08	18,931		9-Apr-08	30,371	
10-Dec-07	17002		10-Jan-08	23,128		10-Feb-08	14,262		10-Mar-08	17,750		10-Apr-08	17,996	
11-Dec-07	17667		11-Jan-08	11,719		11-Feb-08	11,981		11-Mar-08	20,330		11-Apr-08	20,925	
12-Dec-07	19145		12-Jan-08	6,992		12-Feb-08	20,111		12-Mar-08	25,187		12-Apr-08	19,971	
13-Dec-07	17730		13-Jan-08	9,532		13-Feb-08	15,478		13-Mar-08	28,611		13-Apr-08	13,222	
14-Dec-07	15504		14-Jan-08	7,690		14-Feb-08	24,682		14-Mar-08	24,187		14-Apr-08	10,438	
15-Dec-07	13099		15-Jan-08	10955		15-Feb-08	18,641		15-Mar-08	17,484		15-Apr-08	21,963	
16-Dec-07	11282		16-Jan-08	13782		16-Feb-08	30,427		16-Mar-08	17,412		16-Apr-08	22,024	
17-Dec-07	9927		17-Jan-08	12554		17-Feb-08	30,851		17-Mar-08	19,180		17-Apr-08	20,128	
18-Dec-07	10539		18-Jan-08	12275		18-Feb-08	35,899		18-Mar-08	27,188		18-Apr-08	9,850	
19-Dec-07	17280		19-Jan-08	8,565		19-Feb-08	40,022		19-Mar-08	22,745		19-Apr-08	7,892	
20-Dec-07	17909		20-Jan-08	8,269		20-Feb-08	30,955		20-Mar-08	17,402		20-Apr-08	11,909	
21-Dec-07	17720		21-Jan-08	8,505		21-Feb-08	25,534		21-Mar-08	17,677		21-Apr-08	15,004	
22-Dec-07	12778		22-Jan-08	15,746		22-Feb-08	31,137		22-Mar-08	16,274		22-Apr-08	10,207	
23-Dec-07	15358		23-Jan-08	17,214		23-Feb-08	30,865		23-Mar-08	13,207		23-Apr-08	13,867	
24-Dec-07	14754		24-Jan-08	16,953		24-Feb-08	16,878		24-Mar-08	12,739		24-Apr-08	18,392	
25-Dec-07	12397		25-Jan-08	18,530		25-Feb-08	18,880		25-Mar-08	18,084		25-Apr-08	13,693	
26-Dec-07	14942		26-Jan-08	12,701		26-Feb-08	22,094		26-Mar-08	27,634		26-Apr-08	9,186	
27-Dec-07	16771		27-Jan-08	25,684		27-Feb-08	23,174		27-Mar-08	22,859		27-Apr-08	12,503	
28-Dec-07	32303		28-Jan-08	5,709		28-Feb-08	30,172		28-Mar-08	17,786		28-Apr-08	18,047	
29-Dec-07	11070		29-Jan-08	11,889		29-Feb-08	29,968		29-Mar-08	22,473		29-Apr-08	18,100	
30-Dec-07	9191		30-Jan-08	14,403					30-Mar-08	18,035		30-Apr-08	21,751	
31-Dec-07	4,228		31-Jan-08	13,682					31-Mar-08	16,176				
Total	510,957			461,350			685,522			662,819			502,251	
Average	16,482			14,940			23,639			21,555			16,742	
Maximum	39,450			30,957			40,022			28,611			30,371	

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see attached flow report. All days are included.

% COMPLIANCE

III. OTHER PARAMETERS - MASS LIMITS

Exceed =1 Exceed =1

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VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

2nd Semi Annual Report - 2008

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2-NITROPHENOL	0.023	28.0	0.0054	0.019	28.0	0.0044	0.025	0.0049	0.0054	0.089	0	0
4-NITROPHENOL	0.023	56.0	0.0107	0.019	56.0	0.0089	0.062	0.0098	0.0107	0.221	0	0
PHENANTHRENE	0.023	56.0	0.0107	0.019	56.0	0.0089	0.007	0.0098	0.0107	0.018	1	0
PYRENE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.008	0.0049	0.0054	0.018	0	0
TETRACHLOROETHENE	0.023	4.3	0.0008	0.019	4.3	0.0007	0.020	0.0008	0.0008	0.063	0	0
TOLUENE	0.023	4.9	0.0009	0.019	4.9	0.0008	0.011	0.0009	0.0009	0.028	0	0
1,2,4-TRICHLOROBENZENE	0.023	28.0	0.0054	0.019	28.0	0.0044	0.075	0.0049	0.0054	0.305	0	0
1,1,1-TRICHLOROETHANE	0.023	6.5	0.0012	0.019	6.5	0.0010	0.008	0.0011	0.0012	0.023	0	0
1,1,2-TRICHLOROETHANE	0.023	17.0	0.0033	0.019	17.0	0.0027	0.012	0.0030	0.0033	0.049	0	0
TRICHLOROETHENE	0.023	6.2	0.0012	0.019	6.2	0.0010	0.010	0.0011	0.0012	0.026	0	0
VINYL CHLORIDE	0.023	8.0	0.0015	0.019	8.0	0.0013	0.037	0.0014	0.0015	0.066	0	0

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	23-Sep-08		24-Sep-08			
LEAD	0.03	mg/l	0.03	mg/l		
ZINC	0.068	MG/L	0.068	MG/L		
TOTAL CYANIDE	0.016	MG/L	0.012	MG/L		
TOTAL CYANIDE	0.003	# / DAY	0.002	# / DAY		
COD	2950	MG/L	1875	MG/L		
PHENOLICS	0.084	MG/L	0.05	MG/L		
PHOSPHOROUS	0.4	MG/L	0.62	MG/L		
TOTAL SUSPENDED SOLIDS	30	MG/L	42	MG/L		

VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 6/2008 - 11/2008

Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD	
1-Jun-08	20,114		1-Jul-08	41,760		1-Aug-08	15,709		1-Sep-08	16,008		1-Oct-08	24,673	
2-Jun-08	14,984		2-Jul-08	38,929		2-Aug-08	12,428		2-Sep-08	20,213		2-Oct-08	38,723	
3-Jun-08	13030		3-Jul-08	26,419		3-Aug-08	10,983		3-Sep-08	24,100		3-Oct-08	18,633	
4-Jun-08	14359		4-Jul-08	22,763		4-Aug-08	9,090		4-Sep-08	23,110		4-Oct-08	20,915	
5-Jun-08	14323		5-Jul-08	17,566		5-Aug-08	16,650		5-Sep-08	19,331		5-Oct-08	27,879	
6-Jun-08	17174		6-Jul-08	19,663		6-Aug-08	20,022		6-Sep-08	16,512		6-Oct-08	21,667	
7-Jun-08	12810		7-Jul-08	23,954		7-Aug-08	20,428		7-Sep-08	16,121		7-Oct-08	24,978	
8-Jun-08	12871		8-Jul-08	32,471		8-Aug-08	24,304		8-Sep-08	19,608		8-Oct-08	41,142	
9-Jun-08	12104		9-Jul-08	22,142		9-Aug-08	11,414		9-Sep-08	26,317		9-Oct-08	36,683	
10-Jun-08	26621		10-Jul-08	34,811		10-Aug-08	12,510		10-Sep-08	25,307		10-Oct-08	22,606	
11-Jun-08	32656		11-Jul-08	34,452		11-Aug-08	8,949		11-Sep-08	24,572		11-Oct-08	25,797	
12-Jun-08	37421		12-Jul-08	31,838		12-Aug-08	7,772		12-Sep-08	15,574		12-Oct-08	16,638	
13-Jun-08	27536		13-Jul-08	23,683		13-Aug-08	5,981		13-Sep-08	15,038		13-Oct-08	24,590	
14-Jun-08	25136		14-Jul-08	31,522		14-Aug-08	13,800		14-Sep-08	24,677		14-Oct-08	17,761	
15-Jun-08	16038		15-Jul-08	32095		15-Aug-08	15,451		15-Sep-08	27,869		15-Oct-08	25,519	
16-Jun-08	26391		16-Jul-08	32189		16-Aug-08	13,490		16-Sep-08	42,764		16-Oct-08	27,868	
17-Jun-08	27397		17-Jul-08	29016		17-Aug-08	8,751		17-Sep-08	21,391		17-Oct-08	27,289	
18-Jun-08	21456		18-Jul-08	29407		18-Aug-08	14,344		18-Sep-08	18,898		18-Oct-08	21,926	
19-Jun-08	27474		19-Jul-08	19,602		19-Aug-08	15,799		19-Sep-08	18,436		19-Oct-08	19,289	
20-Jun-08	16222		20-Jul-08	22,223		20-Aug-08	18,440		20-Sep-08	12,821		20-Oct-08	23,717	
21-Jun-08	18247		21-Jul-08	20,639		21-Aug-08	16,539		21-Sep-08	18,013		21-Oct-08	40,336	
22-Jun-08	19854		22-Jul-08	31,521		22-Aug-08	12,854		22-Sep-08	20,019		22-Oct-08	30,114	
23-Jun-08	22059		23-Jul-08	17,472		23-Aug-08	9,556		23-Sep-08	23,181		23-Oct-08	32,250	
24-Jun-08	23474		24-Jul-08	20,078		24-Aug-08	10,771		24-Sep-08	19,082		24-Oct-08	24,435	
25-Jun-08	23532		25-Jul-08	29,556		25-Aug-08	23,217		25-Sep-08	27,761		25-Oct-08	31,357	
26-Jun-08	25464		26-Jul-08	26,401		26-Aug-08	19,174		26-Sep-08	14,932		26-Oct-08	24,618	
27-Jun-08	45443		27-Jul-08	17,686		27-Aug-08	23,707		27-Sep-08	10,232		27-Oct-08	30,219	
28-Jun-08	19049		28-Jul-08	19,185		28-Aug-08	15,106		28-Sep-08	12,775		28-Oct-08	30,301	
29-Jun-08	17656		29-Jul-08	18,872		29-Aug-08	13,318		29-Sep-08	17,195		29-Oct-08	33,666	
30-Jun-08	26250		30-Jul-08	25,442		30-Aug-08	8640		30-Sep-08	26,036		30-Oct-08	28,115	
			31-Jul-08	20,294		31-Aug-08	12003					31-Oct-08	24520	
Total	657,146			813,650			441,202			617,894			838,221	
Average	21,198			26,480			14,307			20,596			27,123	
Maximum	45,443			41,760			24,304			42,764			41,142	
Average	22,920													

VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

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III. OTHER PARAMETERS - MASS LIMITS

	20-May-09	20-May-09	20-May-09	21-May-09	21-May-09	21-May-09	27-May-09	27-May-09	27-May-09	28-May-09	28-May-09	28-May-09	CITY	OLD CITY	VDM	CITY MAX..	OLD CITY
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MNTH AVG.	MNTH AVG.	AVG LOAD	DAILY	MAX DAILY
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	MASS LIMIT	MASS LIMIT	IN # / DAY	MASS LIMIT	MASS LIMIT
ACENAPHTHENE	0.022			0.024			0.037			0.026			0.0026	0.007		0.0063	0.018
ANTHRACENE	0.022			0.024			0.037			0.026			0.0026	0.007		0.0063	0.018
BENZENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0077	0.022	0.0011	0.0180	0.051
BIS(2-ETHYLHEXYL) PHALATE	0.022			0.024			0.037			0.026			0.0128	0.036		0.0346	0.099
BROMODICHLOROMETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011					
BROMOFORM	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011					
BROMOMETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011					
CARBON TETRACHLORIDE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0191	0.054	0.0011	0.0510	0.146
CHLORO BENZENE	0.022	163.0	0.0306	0.024	73.5	0.0148	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0191	0.054	0.0120	0.0510	0.146
CHLOROETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0148	0.042	0.0011	0.0396	0.113
CHLOROFORM	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0149	0.043	0.0011	0.0436	0.125
CHLOROMETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0148	0.042	0.0011	0.0396	0.113
DIBROMOCHLOROMETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011			0.0011		
DI-N-BUTYL PHTHALATE	0.022			0.024			0.037			0.026			0.0027	0.008		0.0058	0.016
1,2-DICHLORO BENZENE	0.022			0.024			0.037			0.026			0.0263	0.075		0.1066	0.305
1,3-DICHLORO BENZENE	0.022			0.024			0.037			0.026			0.0191	0.054		0.0510	0.146
1,4-DICHLORO BENZENE	0.022			0.024			0.037			0.026			0.0191	0.054		0.0510	0.146
1,1-DICHLOROETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0030	0.008	0.0011	0.0230	0.023
1,2-DICHLOROETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0242	0.069	0.0011	0.0771	0.220
1,1-DICHLOROETHENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0030	0.008	0.0011	0.0081	0.023
1,2-TRANS-DICHLOROETHENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0034	0.010	0.0011	0.0089	0.025
1,2-DICHLOROPROPANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0263	0.075	0.0011	0.1066	0.305
1,3-DICHLOROPROPENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0263	0.075	0.0011	0.1066	0.305
DIETHYL PHTHALATE	0.022			0.024			0.037			0.026			0.0062	0.018		0.0152	0.043
DIMETHYL PHTHALATE	0.022			0.024			0.037			0.026			0.0026	0.007		0.0063	0.018
4,6-DINITRO-2-METHYLPHENOL	0.022			0.024			0.037			0.026			0.0105	0.030		0.0372	0.106
ETHYLBENZENE	0.022	22.7	0.0043	0.024	9.3	0.0019	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0191	0.054	0.0022	0.0510	0.146
FLUORANTHENE	0.022			0.024			0.037			0.026			0.0030	0.008		0.0073	0.021
FLUORENE	0.022			0.024			0.037			0.026			0.0026	0.007		0.0063	0.018
HEXACHLORO BENZENE	0.022			0.024			0.037			0.026			0.0263	0.075		0.1066	0.305
HEXACHLOROBUTADIENE	0.022			0.024			0.037			0.026			0.0191	0.054		0.0510	0.146
HEXACHLOROETHANE	0.022			0.024			0.037			0.026			0.0026	0.075		0.1066	0.305
METHYLENE CHLORIDE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0048	0.014	0.0011	0.0228	0.065
NAPHTHALENE	0.022			0.024			0.037			0.026			0.0026	0.007		0.0063	0.018
NITRO BENZENE	0.022			0.024			0.037			0.026			0.3004	0.858		0.8596	2.456
2-NITROPHENOL	0.022			0.024			0.037			0.026			0.0087	0.025		0.0310	0.089
4-NITROPHENOL	0.022			0.024			0.037			0.026			0.0218	0.062		0.0773	0.221
PHENANTHRENE	0.022			0.024			0.037			0.026			0.0026	0.007		0.0063	0.018
PYRENE	0.022			0.024			0.037			0.026			0.0027	0.008		0.0064	0.018
TETRACHLOROETHENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0070	0.020	0.0011	0.0220	0.063
TOLUENE	0.022	76.6	0.0144	0.024	26.2	0.0053	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0038	0.011	0.0056	0.0099	0.028
1,2,4-TRICHLORO BENZENE	0.022			0.024			0.037			0.026			0.0263	0.075		0.1066	0.305
1,1,1-TRICHLOROETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0030	0.008	0.0011	0.0079	0.023
1,1,2-TRICHLOROETHANE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0043	0.012	0.0011	0.0171	0.049
TRICHLOROETHENE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0035	0.010	0.0011	0.0093	0.026
VINYL CHLORIDE	0.022	5.0	0.0009	0.024	5.0	0.0010	0.037	5.0	0.0015	0.026	5.0	0.0011	0.0130	0.037	0.0011	0.0231	0.066

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

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ZINC	..107	MG/L	0.139	MG/L		
TOTAL CYANIDE	0.01	MG/L	0.015	MG/L		
TOTAL CYANIDE	0.001	# / DAY	0.001	# / DAY		
COD	800	MG/L	600	MG/L		
PHENOLICS	0.177	MG/L	0.084	MG/L		
PHOSPHOROUS	1.32	MG/L	1.56	MG/L		
TOTAL SUSPENDED SOLIDS	82	MG/L	152	MG/L		

VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 12/2008 - 5/2009

Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD			
1-Dec-08	33,217		1-Jan-09	24,253		1-Feb-09	28,180		1-Mar-09	28,338		1-Apr-09	9,828		1-May-09	16,356
2-Dec-08	33,326		2-Jan-09	25,146		2-Feb-09	35,885		2-Mar-09	27,824		2-Apr-09	16,762		2-May-09	12,045
3-Dec-08	31,972		3-Jan-09	24,176		3-Feb-09	29,486		3-Mar-09	28,128		3-Apr-09	17,787		3-May-09	12,132
4-Dec-08	35,844		4-Jan-09	26,349		4-Feb-09	29,057		4-Mar-09	29,034		4-Apr-09	16,774		4-May-09	14,135
5-Dec-08	33,714		5-Jan-09	22,283		5-Feb-09	26,578		5-Mar-09	28,380		5-Apr-09	18,885		5-May-09	15,012
6-Dec-08	29,263		6-Jan-09	28,573		6-Feb-09	30,142		6-Mar-09	46,495		6-Apr-09	15,724		6-May-09	12,211
7-Dec-08	25,819		7-Jan-09	37,218		7-Feb-09	33,025		7-Mar-09	33,147		7-Apr-09	33,975		7-May-09	10,262
8-Dec-08	30,992		8-Jan-09	32,128		8-Feb-09	33,013		8-Mar-09	23,067		8-Apr-09	23,858		8-May-09	11,833
9-Dec-08	36,251		9-Jan-09	31,203		9-Feb-09	31,900		9-Mar-09	17,891		9-Apr-09	22,670		9-May-09	10,787
10-Dec-08	49,365		10-Jan-09	22,692		10-Feb-09	40,200		10-Mar-09	12,059		10-Apr-09	13,361		10-May-09	8,214
11-Dec-08	43,156		11-Jan-09	26,128		11-Feb-09	41,784		11-Mar-09	34,679		11-Apr-09	9,154		11-May-09	11,718
12-Dec-08	28,394		12-Jan-09	24,493		12-Feb-09	39,375		12-Mar-09	17,820		12-Apr-09	9,014		12-May-09	18,758
13-Dec-08	22,772		13-Jan-09	29,536		13-Feb-09	36,511		13-Mar-09	15,203		13-Apr-09	31,386		13-May-09	24,405
14-Dec-08	21,153		14-Jan-09	31,439		14-Feb-09	31,059		14-Mar-09	14,625		14-Apr-09	21,556		14-May-09	12,281
15-Dec-08	30,501		15-Jan-09	39,558		15-Feb-09	28,229		15-Mar-09	15,891		15-Apr-09	19,574		15-May-09	9,398
16-Dec-08	33,959		16-Jan-09	26,338		16-Feb-09	29,066		16-Mar-09	14,040		16-Apr-09	24,182		16-May-09	10,729
17-Dec-08	41,066		17-Jan-09	14,221		17-Feb-09	37,001		17-Mar-09	14,756		17-Apr-09	21,182		17-May-09	13,765
18-Dec-08	36,635		18-Jan-09	30,688		18-Feb-09	33,162		18-Mar-09	11,060		18-Apr-09	6,268		18-May-09	16,658
19-Dec-08	27,159		19-Jan-09	26,154		19-Feb-09	25,922		19-Mar-09	13,221		19-Apr-09	26,207		19-May-09	13,199
20-Dec-08	28,373		20-Jan-09	32,677		20-Feb-09	38,630		20-Mar-09	15,510		20-Apr-09	19,670		20-May-09	22,486
21-Dec-08	25,774		21-Jan-09	33,611		21-Feb-09	30,881		21-Mar-09	9,729		21-Apr-09	17,453		21-May-09	24,156
22-Dec-08	29,331		22-Jan-09	48,583		22-Feb-09	28,040		22-Mar-09	7,677		22-Apr-09	14,785		22-May-09	18,643
23-Dec-08	28,999		23-Jan-09	11,405		23-Feb-09	25,921		23-Mar-09	7,566		23-Apr-09	14,638		23-May-09	15,139
24-Dec-08	28,162		24-Jan-09	54,526		24-Feb-09	34,003		24-Mar-09	6,742		24-Apr-09	17,899		24-May-09	13,035
25-Dec-08	28,018		25-Jan-09	23,246		25-Feb-09	43,014		25-Mar-09	8,850		25-Apr-09	15,773		25-May-09	9,688
26-Dec-08	22,562		26-Jan-09	24,670		26-Feb-09	45,367		26-Mar-09	6,494		26-Apr-09	18,410		26-May-09	18,140
27-Dec-08	33,778		27-Jan-09	24,166		27-Feb-09	40,908		27-Mar-09	17,022		27-Apr-09	21,987		27-May-09	36,954
28-Dec-08	55,986		28-Jan-09	32,239		28-Feb-09	30,137		28-Mar-09	14,754		28-Apr-09	30,999		28-May-09	25,704
29-Dec-08	30,346		29-Jan-09	28,946					29-Mar-09	14,430		29-Apr-09	28,123		29-May-09	12,253
30-Dec-08	31,687		30-Jan-09	41,132					30-Mar-09	16,672		30-Apr-09	30,618		30-May-09	8,379
31-Dec-08	24,320		31-Jan-09	35,510					31-Mar-09	13,308					31-May-09	10,713
Total	991,894			913,265			936,476			564,411			588,501		469,190	4,463,737 24798.54
Average	31,997			28,849			33,446			18,370			19,617		15,283	
Maximum	55,986			54,526			45,367			46,495			33,975		36,954	

VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

2nd Semi Annual Report - 2009

Revised: 12/16/09...File - vdmpdc\data\safetyenv\wwtp\2009\semi 2009-2

I. FLOWS

see attached flow report. All days are included.

II. pH

% COMPLIANCE

III. OTHER PARAMETERS - MASS LIMITS

	18-Aug-09	18-Aug-09	18-Aug-09	19-Aug-09	19-Aug-09	19-Aug-09	20-Oct-09	20-Oct-09	20-Oct-09	21-Oct-09	21-Oct-09	21-Oct-09	CITY	OLD CITY	VDM		CITY MAX..	Exceed =1	
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MNTH AVG.	MNTH AVG.	AVG LOAD		DAILY		
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN # / DAY	IN # / DAY	IN # / DAY		MASS LIMIT		
ACENAPHTHENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	*	0.0026	0.007	0.0005	0.0005	0.0063	0
ANTHRACENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	*	0.0026	0.007	0.0005	0.0005	0.0063	0
BENZENE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0077	0.022	0.0011	0.0012	0.0180	0
BIS(2-ETHYLHEXYL) PHALATE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	*	0.0128	0.036	0.0005	0.0005	0.0346	0
BROMODICHLOROMETHANE	0.038	NA		0.030	NA		0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0128		0.0008	0.0009	0.0346	0
BROMOFORM	0.038	NA		0.030	NA		0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0128		0.0008	0.0009	0.0346	0
BROMOMETHANE	0.038	NA		0.030	NA		0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0128		0.0008	0.0009	0.0346	0
CARBON TETRACHLORIDE	0.038	13.8	0.0044	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0191	0.054	0.0018	0.0022	0.0510	0
CHLOROBENZENE	0.038	187.0	0.0596	0.030	230.0	0.0581	0.0210	9.8	0.0017	0.0194	25.5	0.0041		0.0191	0.054	0.0309	0.0398	0.0510	1
CHLOROETHANE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0148	0.042	0.0011	0.0012	0.0396	0
CHLOROFORM	0.038	7.1	0.0023	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0149	0.043	0.0013	0.0015	0.0436	0
CHLOROMETHANE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0148	0.042	0.0011	0.0012	0.0396	0
DIBROMOCHLOROMETHANE	0.038	NA		0.030	NA		0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0128		0.0008	0.0009	0.0346	0
DI-N-BUTYL PHTHALATE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	100.0	0.0161	*	0.0027	0.008	0.0012	0.0012	0.0058	0
1,2-DICHLOROBENZENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	*	0.0263	0.075	0.0005	0.0005	0.1066	0
1,3-DICHLOROBENZENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	*	0.0191	0.054	0.0005	0.0005	0.0510	0
1,4-DICHLOROBENZENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	*	0.0191	0.054	0.0005	0.0005	0.0510	0
1,1-DICHLOROETHANE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0030	0.008	0.0011	0.0012	0.0230	0
1,2-DICHLOROETHANE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0242	0.069	0.0011	0.0012	0.0771	0
1,1-DICHLOROETHENE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0030	0.008	0.0011	0.0012	0.0081	0
1,2-TRANS-DICHLOROETHENE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0034	0.010	0.0011	0.0012	0.0089	0
1,2-DICHLOROPROPANE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0263	0.075	0.0011	0.0012	0.1066	0
1,3-DICHLOROPROPENE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0263	0.075	0.0011	0.0012	0.1066	0
DIETHYL PHTHALATE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	*	0.0062	0.018	0.0005	0.0005	0.0152	0
DIMETHYL PHTHALATE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	*	0.0026	0.007	0.0005	0.0005	0.0063	0
4,6-DINITRO-2-METHYLPHENOL	0.038	4.0	0.0013	0.030	4.0	0.0010	0.0210	4.0	0.0007	0.0194	100.0	0.0161	*	0.0105	0.030	0.0010	0.0010	0.0372	0
ETHYLBENZENE	0.038	20.0	0.0064	0.030	19.5	0.0049	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0191	0.054	0.0032	0.0041	0.0510	0
FLUORANTHENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	*	0.0030	0.008	0.0005	0.0005	0.0073	0
FLUORENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	*	0.0026	0.007	0.0005	0.0005	0.0063	0
HEXACHLOROBENZENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	*	0.0263	0.075	0.0005	0.0005	0.1066	0
HEXACHLOROBUTADIENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	*	0.0191	0.054	0.0005	0.0005	0.0510	0
HEXACHLOROETHANE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	2.0	0.0003		0.0026	0.075	0.0005	0.0005	0.1066	0
METHYLENE CHLORIDE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0048	0.014	0.0011	0.0012	0.0228	0
NAPHTHALENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	*	0.0026	0.007	0.0005	0.0005	0.0063	0
NITRO BENZENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	*	0.0004	0.858	0.0005	0.0005	0.8596	0
2-NITROPHENOL	0.038	4.0	0.0013	0.030	4.0	0.0010	0.0210	4.0	0.0007	0.0194	100.0	0.0161	*	0.0087	0.025	0.0010	0.0010	0.0310	0
4-NITROPHENOL	0.038	4.0	0.0013	0.030	4.0	0.0010	0.0210	4.0	0.0007	0.0194	100.0	0.0161	*	0.0218	0.062	0.0010	0.0010	0.0773	0
PHENANTHRENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	*	0.0026	0.007	0.0005	0.0005	0.0063	0
PYRENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	*	0.0027	0.008	0.0005	0.0005	0.0064	0
TETRACHLOROETHENE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0070	0.020	0.0011	0.0012	0.0220	0
TOLUENE	0.038	71.8	0.0229	0.030	72.4	0.0183	0.0210	71.8	0.0126	0.0194	5.0	0.0008		0.0038	0.011	0.0136	0.0179	0.0099	1
1,2,4-TRICHLOROBENZENE	0.038	2.0	0.0006	0.030	2.0	0.0005	0.0210	2.0	0.0004	0.0194	100.0	0.0161	*	0.0263	0.075	0.0005	0.0005	0.1066	0
1,1,1-TRICHLOROETHANE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0030	0.008	0.0011	0.0012	0.0079	0
1,1,2-TRICHLOROETHANE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0043	0.012	0.0011	0.0012	0.0171	0
TRICHLOROETHENE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0035	0.010	0.0011	0.0012	0.0093	0
VINYL CHLORIDE	0.038	5.0	0.0016	0.030	5.0	0.0013	0.0210	5.0	0.0009	0.0194	5.0	0.0008		0.0130	0.037	0.0011	0.0012	0.0231	0

* Not included in monthly average, elevated detection limit due to high COD.

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	18-Aug-09	19-Aug-09	20-Oct-09	21-Oct-09
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VDM00958

VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

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LEAD	0.01	mg/l	0.01	mg/l	0.01	mg/l	0.01	mg/l
ZINC	0.145	MG/L	0.162	MG/L	0.165	MG/L	0.195	MG/L
TOTAL CYANIDE	0.01	MG/L	0.01	MG/L	0.01	MG/L	0.01	MG/L
TOTAL CYANIDE	0.003	# / DAY	0.003	# / DAY	0.003	# / DAY	0.002	# / DAY
COD	325	MG/L	250	MG/L	360	MG/L	3450	MG/L
PHENOLICS	0.013	MG/L	0.013	MG/L	0.01	MG/L	0.013	MG/L
PHOSPHOROUS	73	MG/L	1.28	MG/L	0.52	MG/L	0.62	MG/L
TOTAL SUSPENDE SOLIDS	100	MG/L	112	MG/L	50	MG/L	45	MG/L

VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 6/2009 - 11/2009

Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD				
1-Jun-09	11,957		1-Jul-09	10,975		1-Aug-09	7,602		1-Sep-09	57,708		1-Oct-09	17,808		1-Nov-09	14,818	
2-Jun-09	23,498		2-Jul-09	10,930		2-Aug-09	13,547		2-Sep-09	66,383		2-Oct-09	12,920		2-Nov-09	26,094	
3-Jun-09	11,705		3-Jul-09	11,996		3-Aug-09	18,987		3-Sep-09	74,652		3-Oct-09	15,585		3-Nov-09	21,528	
4-Jun-09	24,208		4-Jul-09	13,763		4-Aug-09	31,643		4-Sep-09	6,675		4-Oct-09	16,980		4-Nov-09	24,007	
5-Jun-09	9,508		5-Jul-09	11,963		5-Aug-09	25,620		5-Sep-09	43,312		5-Oct-09	19,262		5-Nov-09	19,271	
6-Jun-09	6,245		6-Jul-09	41,675		6-Aug-09	22,422		6-Sep-09	13,383		6-Oct-09	29,413		6-Nov-09	12,958	
7-Jun-09	9,160		7-Jul-09	36,586		7-Aug-09	23,692		7-Sep-09	11,716		7-Oct-09	28,956		7-Nov-09	16,710	
8-Jun-09	18,156		8-Jul-09	23,448		8-Aug-09	17,330		8-Sep-09	22,280		8-Oct-09	12,537		8-Nov-09	11,536	
9-Jun-09	32,876		9-Jul-09	30,727		9-Aug-09	18,964		9-Sep-09	30,946		9-Oct-09	10,654		9-Nov-09	22,013	
10-Jun-09	22,629		10-Jul-09	11,534		10-Aug-09	20,185		10-Sep-09	23,942		10-Oct-09	12,497		10-Nov-09	24,029	
11-Jun-09	14,023		11-Jul-09	13,694		11-Aug-09	49,133		11-Sep-09	26,050		11-Oct-09	3,276		11-Nov-09	21,718	
12-Jun-09	29,346		12-Jul-09	11,889		12-Aug-09	32,679		12-Sep-09	27,926		12-Oct-09	30,018		12-Nov-09	16,175	
13-Jun-09	6,817		13-Jul-09	15,374		13-Aug-09	31,166		13-Sep-09	35,050		13-Oct-09	17,196		13-Nov-09	10,510	
14-Jun-09	6,406		14-Jul-09	37,814		14-Aug-09	14,648		14-Sep-09	27,570		14-Oct-09	17,320		14-Nov-09	13,875	
15-Jun-09	15,815		15-Jul-09	34,087		15-Aug-09	11,713		15-Sep-09	19,919		15-Oct-09	15,118		15-Nov-09	13,848	
16-Jun-09	11,749		16-Jul-09	17,778		16-Aug-09	10,863		16-Sep-09	27,163		16-Oct-09	13,849		16-Nov-09	17,545	
17-Jun-09	13,319		17-Jul-09	16,621		17-Aug-09	19,888		17-Sep-09	29,010		17-Oct-09	12,256		17-Nov-09	19,381	
18-Jun-09	14,484		18-Jul-09	17,825		18-Aug-09	38,206		18-Sep-09	20,316		18-Oct-09	10,753		18-Nov-09	20,283	
19-Jun-09	13,370		19-Jul-09	12,354		19-Aug-09	30,311		19-Sep-09	19,015		19-Oct-09	18,324		19-Nov-09	21,534	
20-Jun-09	9,427		20-Jul-09	7,732		20-Aug-09	21,344		20-Sep-09	16,837		20-Oct-09	21,077		20-Nov-09	20,246	
21-Jun-09	2,819		21-Jul-09	18,534		21-Aug-09	12,909		21-Sep-09	15,735		21-Oct-09	19,355		21-Nov-09	16,365	
22-Jun-09	20,166		22-Jul-09	60,486		22-Aug-09	8,659		22-Sep-09	18,034		22-Oct-09	15,001		22-Nov-09	11,029	
23-Jun-09	29,731		23-Jul-09	15,244		23-Aug-09	10,635		23-Sep-09	21,876		23-Oct-09	10,156		23-Nov-09	13,301	
24-Jun-09	33,197		24-Jul-09	14,030		24-Aug-09	8,662		24-Sep-09	19,036		24-Oct-09	7,361		24-Nov-09	12,138	
25-Jun-09	28,254		25-Jul-09	25,603		25-Aug-09	4,131		25-Sep-09	17,371		25-Oct-09	17,230		25-Nov-09	3,711	
26-Jun-09	11,250		26-Jul-09	15,469		26-Aug-09	19,464		26-Sep-09	13,326		26-Oct-09	21,696		26-Nov-09	4,834	
27-Jun-09	11,280		27-Jul-09	49,204		27-Aug-09	24,778		27-Sep-09	17,147		27-Oct-09	20,715		27-Nov-09	10,824	
28-Jun-09	10,637		28-Jul-09	43,326		28-Aug-09	50,022		28-Sep-09	24,046		28-Oct-09	22,070		28-Nov-09	7,075	
29-Jun-09	19,854		29-Jul-09	30,634		29-Aug-09	55,262		29-Sep-09	21,121		29-Oct-09	17,095		29-Nov-09	5,734	
30-Jun-09	11,683		30-Jul-09	16,099		30-Aug-09	69587		30-Sep-09	18,941		30-Oct-09	17,971		30-Nov-09	15,860	
			31-Jul-09	9,898		31-Aug-09	67785					31-Oct-09	15,620				
Total	483,572			687,292			791,837			786,487			520,067			468,950	3,738,205 20767.81
Average	15,599			22,803			24,135			26,216			16,815			15,632	
Maximum	33,197			60,486			69,587			74,652			30,018			26,094	

VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

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I. FLOWS

see attached flow report. All days are included.

II. pH

% COMPLIANCE

Dec-10	Jan-10	Feb-10	Mar-10	Apr-10	May-10
100.000%	99.350%	99.370%	99.800%	99.7	98.820%

III. OTHER PARAMETERS - MASS LIMITS

	23-Mar-10 (3/30/10) DAILY FLOW	23-Mar-10 (3/30/10) DATA	23-Mar-10 MASS LOAD	24-Mar-10 DAILY FLOW	24-Mar-10 DATA	24-Mar-10 MASS LOAD	CITY MNTH AVG. MASS LIMIT	OLD CITY MNTH AVG. MASS LIMIT	VDM AVG LOAD	CITY MAX.. DAILY MASS LIMIT	Exceed=1
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN # / DAY	IN # / DAY	IN # / DAY	IN #/DAY	
ACENAPHTHENE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0026	0.007	0.0013	0.0063	0
ANTHRACENE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0026	0.007	0.0013	0.0063	0
BENZENE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0077	0.022	0.0005	0.0180	0
BIS(2-ETHYLHEXYL) PHALATE	0.0211	50.0	0.0088	0.0148	50.0	0.0062	0.0128	0.036	0.0050	0.0346	0
BROMODICHLOROMETHANE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0191		0.0005	0.0510	0
BROMOFORM	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0263		0.0005	0.1066	0
BROMOMETHANE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0191		0.0005	0.0510	0
CARBON TETRACHLORIDE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0191	0.054	0.0005	0.0510	0
CHLOROBENZENE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0191	0.054	0.0005	0.0510	0
CHLOROETHANE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0148	0.042	0.0005	0.0396	0
CHLOROFORM	0.0211	13.2	0.0023	0.0148	8.6	0.0011	0.0149	0.043	0.0011	0.0436	0
CHLOROMETHANE	0.0211	80.4	0.0141	0.0148	39.4	0.0049	0.0148	0.042	0.0063	0.0396	0
DIBROMOCHLOROMETHANE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0263		0.0005	0.1066	0
DI-N-BUTYL PHTHALATE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0027	0.008	0.0013	0.0058	0
1,2-DICHLOROBENZENE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0263	0.075	0.0013	0.1066	0
1,3-DICHLOROBENZENE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0191	0.054	0.0013	0.0510	0
1,4-DICHLOROBENZENE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0191	0.054	0.0013	0.0510	0
1,1-DICHLOROETHANE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0030	0.008	0.0005	0.0230	0
1,2-DICHLOROETHANE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0242	0.069	0.0005	0.0771	0
1,1-DICHLOROETHENE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0030	0.008	0.0005	0.0081	0
1,2-TRANS-DICHLOROETHENE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0034	0.010	0.0005	0.0089	0
1,2-DICHLOROPROPANE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0263	0.075	0.0005	0.1066	0
1,3-DICHLOROPROPENE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0263	0.075	0.0005	0.1066	0
DIETHYL PHTHALATE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0062	0.018	0.0013	0.0152	0
DIMETHYL PHTHALATE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0026	0.007	0.0013	0.0063	0
4,6-DINITRO-2-METHYLPHENOL	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0105	0.030	0.0013	0.0372	0
ETHYLBENZENE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0191	0.054	0.0005	0.0510	0
FLUORANTHENE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0030	0.008	0.0013	0.0073	0
FLUORENE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0026	0.007	0.0013	0.0063	0
HEXACHLOROBENZENE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0263	0.075	0.0013	0.1066	0
HEXACHLOROBUTADIENE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0191	0.054	0.0013	0.0510	0
HEXACHLOROETHANE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0026	0.075	0.0013	0.1066	0
METHYLENE CHLORIDE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0048	0.014	0.0005	0.0228	0
NAPHTHALENE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0026	0.007	0.0013	0.0063	0

VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

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NITRO BENZENE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.3004	0.858	0.0013	0.8596	0
2-NITROPHENOL	0.0183	10.0	0.0015	0.0148	25.0	0.0031	0.0087	0.025	0.0015	0.0310	0
4-NITROPHENOL	0.0183	5.0	0.0008	0.0148	50.0	0.0062	0.0218	0.062	0.0023	0.0773	0
PHENANTHRENE	0.0183	5.0	0.0008	0.0148	50.0	0.0062	0.0026	0.007	0.0023	0.0063	0
PYRENE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0027	0.008	0.0013	0.0064	0
TETRACHLOROETHENE	0.0211	5.0	0.0009	0.0148	50.0	0.0062	0.0070	0.020	0.0023	0.0220	0
TOLUENE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0038	0.011	0.0005	0.0099	0
1,2,4-TRICHLOROBENZENE	0.0183	5.0	0.0008	0.0148	25.0	0.0031	0.0263	0.075	0.0013	0.1066	0
1,1,1-TRICHLOROETHANE	0.0211	5.0	0.0009	0.0148	25.0	0.0031	0.0030	0.008	0.0013	0.0079	0
1,1,2-TRICHLOROETHANE	0.0211	5.0	0.0009	0.0148	25.0	0.0031	0.0043	0.012	0.0013	0.0171	0
TRICHLOROETHENE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0035	0.010	0.0005	0.0093	0
VINYL CHLORIDE	0.0211	5.0	0.0009	0.0148	5.0	0.0006	0.0130	0.037	0.0005	0.0231	0

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	23-Mar-10		24-Mar-10		
LEAD	0.01	* mg/l	0.01	mg/l	* samples taken 3/30/10 (includes semi- volatiles above)
ZINC	0.418	* mg/l	0.180	MG/L	
TOTAL CYANIDE	0.01	mg/l	0.01	MG/L	
TOTAL CYANIDE	0.002	# / DAY	0.001	# / DAY	
COD	710	* mg/l	2250	MG/L	
PHENOLICS	222	mg/l	150	MG/L	
PHOSPHOROUS	0.87	* mg/l	0.67	MG/L	
TOTAL SUSPENDED SOLIDS	71	* mg/l	40	MG/L	

VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 12/2009 - 5/2010

Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD			
1-Dec-09	25,060		1-Jan-10	13,477		1-Feb-10	15,185		1-Mar-10	25,868		1-Apr-10	15,531		1-May-10	23,688
2-Dec-09	26,764		2-Jan-10	13,204		2-Feb-10	44,161		2-Mar-10	18,960		2-Apr-10	11,546		2-May-10	23,810
3-Dec-09	19,318		3-Jan-10	12,501		3-Feb-10	24,687		3-Mar-10	17,468		3-Apr-10	9,826		3-May-10	22,523
4-Dec-09	24,287		4-Jan-10	14,891		4-Feb-10	18,316		4-Mar-10	17,101		4-Apr-10	9,862		4-May-10	27,281
5-Dec-09	38,973		5-Jan-10	20,943		5-Feb-10	15,409		5-Mar-10	14,181		5-Apr-10	18,158		5-May-10	18,048
6-Dec-09	32,469		6-Jan-10	23,578		6-Feb-10	15,224		6-Mar-10	13,320		6-Apr-10	28,205		6-May-10	5,937
7-Dec-09	28,008		7-Jan-10	17,716		7-Feb-10	15,491		7-Mar-10	13,315		7-Apr-10	31,256		7-May-10	16,141
8-Dec-09	20,642		8-Jan-10	13,693		8-Feb-10	21,746		8-Mar-10	18,346		8-Apr-10	20,330		8-May-10	25,419
9-Dec-09	19,124		9-Jan-10	13,229		9-Feb-10	22,737		9-Mar-10	17,746		9-Apr-10	20,763		9-May-10	89,662
10-Dec-09	17,416		10-Jan-10	13,025		10-Feb-10	25,039		10-Mar-10	22,938		10-Apr-10	13,423		10-May-10	13,956
11-Dec-09	10,852		11-Jan-10	15,861		11-Feb-10	20,983		11-Mar-10	23,389		11-Apr-10	12,262		11-May-10	12,561
12-Dec-09	13,284		12-Jan-10	17,595		12-Feb-10	21,177		12-Mar-10	20,563		12-Apr-10	16,645		12-May-10	26,663
13-Dec-09	13,332		13-Jan-10	17,926		13-Feb-10	18,130		13-Mar-10	15,277		13-Apr-10	21,040		13-May-10	29,947
14-Dec-09	16,659		14-Jan-10	13,572		14-Feb-10	17,065		14-Mar-10	16,947		14-Apr-10	27,191		14-May-10	19,007
15-Dec-09	20,650		15-Jan-10	19,779		15-Feb-10	13,945		15-Mar-10	19,642		15-Apr-10	15,784		15-May-10	27,038
16-Dec-09	29,361		16-Jan-10	15,473		16-Feb-10	20,839		16-Mar-10	19,479		16-Apr-10	16,011		16-May-10	17,550
17-Dec-09	12,096		17-Jan-10	16,246		17-Feb-10	13,753		17-Mar-10	16,468		17-Apr-10	13,510		17-May-10	17,034
18-Dec-09	11,181		18-Jan-10	19,518		18-Feb-10	19,037		18-Mar-10	13,241		18-Apr-10	17,408		18-May-10	20,956
19-Dec-09	9,379		19-Jan-10	17,300		19-Feb-10	16,790		19-Mar-10	15,129		19-Apr-10	29,965		19-May-10	16,398
20-Dec-09	9,633		20-Jan-10	14,785		20-Feb-10	10,281		20-Mar-10	11,222		20-Apr-10	27,678		20-May-10	11,737
21-Dec-09	15,119		21-Jan-10	8,379		21-Feb-10	10,571		21-Mar-10	12,266		21-Apr-10	27,233		21-May-10	10,047
22-Dec-09	18,930		22-Jan-10	11,698		22-Feb-10	17,379		22-Mar-10	14,818		22-Apr-10	19,189		22-May-10	11,365
23-Dec-09	9,102		23-Jan-10	15,031		23-Feb-10	16,802		23-Mar-10	21,061		23-Apr-10	20,244		23-May-10	16,387
24-Dec-09	8,436		24-Jan-10	15,576		24-Feb-10	16,566		24-Mar-10	21,149		24-Apr-10	13,478		24-May-10	21,640
25-Dec-09	8,336		25-Jan-10	26,042		25-Feb-10	14,533		25-Mar-10	19,093		25-Apr-10	22,663		25-May-10	33,678
26-Dec-09	7,368		26-Jan-10	20,994		26-Feb-10	14,769		26-Mar-10	13,930		26-Apr-10	24,168		26-May-10	21,501
27-Dec-09	6,352		27-Jan-10	16,044		27-Feb-10	14,352		27-Mar-10	11,257		27-Apr-10	29,027		27-May-10	20,156
28-Dec-09	8,969		28-Jan-10	17,358		28-Feb-10	20,633		28-Mar-10	12,275		28-Apr-10	28,420		28-May-10	19,528
29-Dec-09	8,739		29-Jan-10	11,788					29-Mar-10	22,837		29-Apr-10	28,575		29-May-10	19,607
30-Dec-09	8,293		30-Jan-10	11,415					30-Mar-10	18,261		30-Apr-10	20,507		30-May-10	20,304
31-Dec-09	18,170		31-Jan-10	12,557					31-Mar-10	20,226					31-May-10	20,846
Total	516,302			491,197			515,602			537,775			609,897			680,415
Average	16,655			16,111			18,414			17,252			20,330			21,986
Maximum	38,973			26,042			44,161			25,868			31,256			89,662

VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

2nd Semi Annual Report - 2010

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I. FLOWS

see attached flow report. All days are included.

II. pH

% COMPLIANCE

Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10
99.99%	99.98%	99.70%	99.92%	99.76%	95.19%

III. OTHER PARAMETERS - MASS LIMITS

	26-Oct-10	26-Oct-10	26-Oct-10	27-Oct-10	27-Oct-10	27-Oct-10	21-Nov-10	21-Nov-10	21-Nov-10	22-Nov-10	22-Nov-10	22-Nov-10	CITY	VDM	CITY MAX..		
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MNTH AVG.	AVG LOAD	DAILY		
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN # / DAY	IN # / DAY	IN # / DAY	AVG > AVG L	AVG-MAX L
ACENAPHTHENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0026	0.0617	0.0063	TRUE	TRUE
ANTHRACENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0026	0.0617	0.0063	TRUE	TRUE
BENZENE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0077	0.0037	0.0180	FALSE	FALSE
BIS(2-ETHYLHEXYL) PHALATE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0128	0.0617	0.0346	TRUE	TRUE
BROMODICHLOROMETHANE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0191	0.0037	0.0510	FALSE	FALSE
BROMOFORM	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0263	0.0037	0.1066	FALSE	FALSE
BROMOMETHANE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0191	0.0037	0.0510	FALSE	FALSE
CARBON TETRACHLORIDE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0191	0.0037	0.0510	FALSE	FALSE
CHLOROBENZENE	0.0232	1020.0	0.1971	0.0212	5.0	0.0009	0.0089	153.0	0.0114	0.0096	1360.0	0.1088	0.0191	0.0636	0.0510	TRUE	TRUE
CHLOROETHANE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0148	0.0037	0.0396	FALSE	FALSE
CHLOROFORM	0.0232	50.0	0.0097	0.0212	5.2	0.0009	0.0089	50.0	0.0037	0.0096	50.1	0.0040	0.0149	0.0037	0.0436	FALSE	FALSE
CHLOROMETHANE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0148	0.0037	0.0396	FALSE	FALSE
DIBROMOCHLOROMETHANE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0263	0.0037	0.1066	FALSE	FALSE
DI-N-BUTYL PHTHALATE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0027	0.0617	0.0058	TRUE	TRUE
1,2-DICHLOROENZENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0263	0.0617	0.1066	TRUE	FALSE
1,3-DICHLOROENZENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0191	0.0617	0.0510	TRUE	TRUE
1,4-DICHLOROENZENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0191	0.0617	0.0510	TRUE	TRUE
1,1-DICHLOROETHANE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0030	0.0037	0.0230	TRUE	FALSE
1,2-DICHLOROETHANE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0242	0.0037	0.0771	FALSE	FALSE
1,1-DICHLOROETHENE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0030	0.0037	0.0081	TRUE	FALSE
1,2-TRANS-DICHLOROETHENE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0034	0.0037	0.0089	TRUE	FALSE
1,2-DICHLOROPROPANE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0263	0.0037	0.1066	FALSE	FALSE
1,3-DICHLOROPROPENE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0263	0.0037	0.1066	FALSE	FALSE
DIETHYL PHTHALATE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0062	0.0617	0.0152	TRUE	TRUE
DIMETHYL PHTHALATE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0026	0.0617	0.0063	TRUE	TRUE
4,6-DINITRO-2-METHYLPHENOL	0.0232	1000.0	0.1932	0.0212	500.0	0.0884							0.0105	0.0938	0.0372	TRUE	TRUE
ETHYLBENZENE	0.0232	69.2	0.0134	0.0212	59.6	0.0105	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0191	0.0063	0.0510	FALSE	FALSE
FLUORANTHENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0030	0.0617	0.0073	TRUE	TRUE
FLUORENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0026	0.0617	0.0063	TRUE	TRUE
HEXACHLOROENZENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0263	0.0617	0.1066	TRUE	FALSE
HEXACHLOROBUTADIENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0191	0.0617	0.0510	TRUE	TRUE
HEXACHLOROETHANE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0026	0.0617	0.1066	TRUE	FALSE
METHYLENE CHLORIDE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0048	0.0037	0.0228	FALSE	FALSE
NAPHTHALENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0026	0.0617	0.0063	TRUE	TRUE
NITRO BENZENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.3004	0.0617	0.8596	FALSE	FALSE
2-NITROPHENOL	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0087	0.0617	0.0310	TRUE	TRUE
4-NITROPHENOL	0.0232	1000.0	0.1932	0.0212	1000.0	0.1767							0.0218	0.1233	0.0773	TRUE	TRUE
PHENANTHRENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0026	0.0617	0.0063	TRUE	TRUE
PYRENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0027	0.0617	0.0064	TRUE	TRUE
TETRACHLOROETHENE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0070	0.0037	0.0220	FALSE	FALSE
TOLUENE	0.0232	74.7	0.0144	0.0212	36.5	0.0065	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0030	0.0057	0.0099	TRUE	FALSE
1,2,4-TRICHLOROENZENE	0.0232	500.0	0.0966	0.0212	500.0	0.0884							0.0263	0.0617	0.1066	TRUE	FALSE
1,1,1-TRICHLOROETHANE	0.0232	50.0	0.0097	0.0212	500.0	0.0884	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0030	0.0212	0.0079	TRUE	TRUE
1,1,2-TRICHLOROETHANE	0.0232	50.0	0.0097	0.0212	500.0	0.0884	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0043	0.0212	0.0171	TRUE	TRUE
TRICHLOROETHENE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0035	0.0037	0.0093	TRUE	FALSE
VINYL CHLORIDE	0.0232	50.0	0.0097	0.0212	5.0	0.0009	0.0089	50.0	0.0037	0.0096	50.0	0.0040	0.0130	0.0037	0.0231	FALSE	FALSE

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

	Results were less than quantation limit
	At least one result above quantation limit - VDM did not exceed the limit(s)
	At least one result above quantation limit - VDM exceeded limit(s)
	All results were less than quantation limit - City limit(s) exceeded

VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

2nd Semi Annual Report - 2010

Revised: 12/20/10...File - vdmpdc\data\safetyenv\wwtp\2010\semi 2010-2

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	26-Oct-10		27-Oct-10	
LEAD	0.2	mg/l	0.2	mg/l
ZINC	0.24	mg/l	0.2	MG/L
TOTAL CYANIDE	0.01	mg/l	0.01	MG/L
TOTAL CYANIDE	0.002	# / DAY	0.002	# / DAY
COD	2425	mg/l	2630	MG/L
PHENOLICS	0.01	mg/l	0.017	MG/L
PHOSPHOROUS	0.41	mg/l	0.3	MG/L
TOTAL SUSPENDED SOLIDS	29	mg/l	25	MG/L

VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 12/2009 - 5/2010

Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD
1-Jun-10	29,371		1-Jul-10	26,856		1-Aug-10	17,867		1-Sep-10	29,149		1-Oct-10	76,072		1-Nov-10	20,409
2-Jun-10	27,587		2-Jul-10	25,850		2-Aug-10	20,214		2-Sep-10	24,676		2-Oct-10	84,400		2-Nov-10	25,550
3-Jun-10	24,981		3-Jul-10	18,525		3-Aug-10	28,610		3-Sep-10	30,832		3-Oct-10	78,305		3-Nov-10	34,945
4-Jun-10	18,137		4-Jul-10	12,488		4-Aug-10	28,344		4-Sep-10	26,142		4-Oct-10	78,473		4-Nov-10	22,495
5-Jun-10	10,620		5-Jul-10	12,115		5-Aug-10	29,080		5-Sep-10	15,780		5-Oct-10	77,660		5-Nov-10	28,397
6-Jun-10	18,414		6-Jul-10	48,846		6-Aug-10	24,598		6-Sep-10	20,298		6-Oct-10	55,226		6-Nov-10	28,069
7-Jun-10	14,498		7-Jul-10	76,257		7-Aug-10	24,954		7-Sep-10	27,562		7-Oct-10	81,901		7-Nov-10	27,611
8-Jun-10	14,643		8-Jul-10	25,630		8-Aug-10	20,235		8-Sep-10	31,387		8-Oct-10	68,830		8-Nov-10	17,021
9-Jun-10	18,469		9-Jul-10	24,053		9-Aug-10	23,399		9-Sep-10	31,008		9-Oct-10	11,060		9-Nov-10	25,895
10-Jun-10	18,663		10-Jul-10	17,351		10-Aug-10	26,201		10-Sep-10	30,327		10-Oct-10	9,953		10-Nov-10	27,270
11-Jun-10	15,967		11-Jul-10	19,155		11-Aug-10	26,010		11-Sep-10	22,201		11-Oct-10	1,057		11-Nov-10	28,456
12-Jun-10	22,183		12-Jul-10	25,761		12-Aug-10	24,263		12-Sep-10	25,456		12-Oct-10	12,913		12-Nov-10	24,678
13-Jun-10	19,005		13-Jul-10	21,664		13-Aug-10	22,721		13-Sep-10	21,875		13-Oct-10	14,538		13-Nov-10	19,725
14-Jun-10	19,605		14-Jul-10	29,056		14-Aug-10	19,739		14-Sep-10	32,864		14-Oct-10	9,470		14-Nov-10	20,438
15-Jun-10	25,405		15-Jul-10	21,379		15-Aug-10	18,835		15-Sep-10	33,782		15-Oct-10	13,506		15-Nov-10	19,708
16-Jun-10	23,761		16-Jul-10	15,881		16-Aug-10	29,005		16-Sep-10	22,226		16-Oct-10	15,165		16-Nov-10	20,302
17-Jun-10	25,548		17-Jul-10	12,655		17-Aug-10	38,929		17-Sep-10	20,518		17-Oct-10	18,770		17-Nov-10	34,108
18-Jun-10	16,537		18-Jul-10	11,133		18-Aug-10	33,002		18-Sep-10	14,449		18-Oct-10	28,663		18-Nov-10	24,149
19-Jun-10	8,461		19-Jul-10	24,104		19-Aug-10	29,543		19-Sep-10	18,282		19-Oct-10	24,818		19-Nov-10	18,813
20-Jun-10	9,635		20-Jul-10	25,074		20-Aug-10	29,217		20-Sep-10	18,295		20-Oct-10	23,479		20-Nov-10	11,367
21-Jun-10	16,400		21-Jul-10	23,154		21-Aug-10	24,865		21-Sep-10	18,161		21-Oct-10	21,492		21-Nov-10	8,948
22-Jun-10	20,059		22-Jul-10	24,522		22-Aug-10	27,259		22-Sep-10	19,167		22-Oct-10	14,613		22-Nov-10	9,590
23-Jun-10	21,856		23-Jul-10	27,250		23-Aug-10	32,570		23-Sep-10	16,869		23-Oct-10	13,970		23-Nov-10	16,585
24-Jun-10	24,207		24-Jul-10	22,041		24-Aug-10	39,212		24-Sep-10	18,034		24-Oct-10	20,118		24-Nov-10	14,693
25-Jun-10	11,947		25-Jul-10	22,818		25-Aug-10	23,469		25-Sep-10	11,869		25-Oct-10	26,694		25-Nov-10	12,867
26-Jun-10	19,228		26-Jul-10	24,176		26-Aug-10	22,745		26-Sep-10	24,737		26-Oct-10	23,167		26-Nov-10	14,906
27-Jun-10	19,639		27-Jul-10	26,534		27-Aug-10	16,836		27-Sep-10	97,068		27-Oct-10	21,193		27-Nov-10	15,456
28-Jun-10	30,848		28-Jul-10	27,505		28-Aug-10	21,635		28-Sep-10	92,563		28-Oct-10	21,155		28-Nov-10	13,133
29-Jun-10	31,273		29-Jul-10	26,021		29-Aug-10	18,469		29-Sep-10	83,831		29-Oct-10	19,478		29-Nov-10	20,565
30-Jun-10	22,582		30-Jul-10	25,008		30-Aug-10	19,626		30-Sep-10	77,925		30-Oct-10	14,570		30-Nov-10	21,081
			31-Jul-10	19,730		31-Aug-10	19,479					31-Oct-10	20,367			
Total	599,531			762,589			780,929			957,335			1,001,078			627,231
Average	19,340			24,753			25,382			31,911			32,690			20,908
Maximum	31,273			76,257			39,212			97,068			84,400			34,945

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see attached flow report. All days are included

Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11
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% COMPLIANCE

III. OTHER PARAMETERS - MASS LIMITS

	09-Feb-11	09-Feb-11	09-Feb-11	10-Feb-11	10-Feb-11	10-Feb-11	CITY	VDM	CITY MAX.
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MNTH AVG. MASS LIMIT	MNTH AVG. AVG LOAD	DAILY MASS LIMIT
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN # / DAY	IN # / DAY	IN #/DAY
ACENAPHTHENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0026	0.0008	0.0063
ANTHRACENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0026	0.0008	0.0063
BENZENE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0077	0.0003	0.0180
BIS(2-ETHYLHEXYL) PHALATE	0.0361	10.0	0.0030	0.0222	10.0	0.0018	0.0128	0.0016	0.0346
BROMODICHLOROMETHANE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0191	0.0003	0.0510
BROMOFORM	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0263	0.0003	0.1066
BROMOMETHANE	0.0361	3.8	0.0011	0.0222	4.0	0.0007	0.0191	0.0006	0.0510
CARBON TETRACHLORIDE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0191	0.0003	0.0510
CHLOROBENZENE	0.0361	22.1	0.0067	0.0222	22.1	0.0041	0.0191	0.0036	0.0510
CHLOROETHANE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0148	0.0003	0.0396
CHLOROFORM	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0149	0.0003	0.0436
CHLOROMETHANE	0.0361	12.6	0.0038	0.0222	11.5	0.0021	0.0148	0.0020	0.0396
DIBROMOCHLOROMETHANE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0263	0.0003	0.1066
DI-N-BUTYL PHTHALATE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0027	0.0008	0.0058
1,2-DICHLOROBENZENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0263	0.0008	0.1066
1,3-DICHLOROBENZENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0191	0.0008	0.0510
1,4-DICHLOROBENZENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0191	0.0008	0.0510
1,1-DICHLOROETHANE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0030	0.0003	0.0230
1,2-DICHLOROETHANE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0242	0.0003	0.0771
1,1-DICHLOROETHENE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0030	0.0003	0.0081
1,2-TRANS-DICHLOROETHENE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0034	0.0003	0.0089
1,2-DICHLOROPROPANE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0263	0.0003	0.1066
1,3-DICHLOROPROPENE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0263	0.0003	0.1066
DIETHYL PHTHALATE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0062	0.0008	0.0152
DIMETHYL PHTHALATE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0026	0.0008	0.0063
4,6-DINITRO-2-METHYLPHENOL	0.0361	10.0	0.0030	0.0222	10.0	0.0018	0.0105	0.0016	0.0372
ETHYLBENZENE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0191	0.0003	0.0510
FLUORANTHENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0030	0.0008	0.0073
FLUORENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0026	0.0008	0.0063
HEXACHLOROBENZENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0263	0.0008	0.1066
HEXACHLOROBUTADIENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0191	0.0008	0.0510

Exceed=1

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VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

1st Semi Annual Report - 2011

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HEXACHLOROETHANE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0026	0.0008	0.1066
METHYLENE CHLORIDE	0.0361	7.2	0.0022	0.0222	2.8	0.0005	0.0048	0.0009	0.0228
NAPHTHALENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0026	0.0008	0.0063
NITRO BENZENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.3004	0.0008	0.8596
2-NITROPHENOL	0.0361	10.0	0.0030	0.0222	10.0	0.0018	0.0087	0.0016	0.0310
4-NITROPHENOL	0.0361	10.0	0.0030	0.0222	10.0	0.0018	0.0218	0.0016	0.0773
PHENANTHRENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0026	0.0008	0.0063
PYRENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0027	0.0008	0.0064
TETRACHLOROETHENE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0070	0.0003	0.0220
TOLUENE	0.0361	2.0	0.0006	0.0222	2.2	0.0004	0.0038	0.0003	0.0099
1,2,4-TRICHLOROBENZENE	0.0361	5.0	0.0015	0.0222	5.0	0.0009	0.0263	0.0008	0.1066
1,1,1-TRICHLOROETHANE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0030	0.0003	0.0079
1,1,2-TRICHLOROETHANE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0043	0.0003	0.0171
TRICHLOROETHENE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0035	0.0003	0.0093
VINYL CHLORIDE	0.0361	2.0	0.0006	0.0222	2.0	0.0004	0.0130	0.0003	0.0231

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Shaded areas indicate reporting limit for parameter, sample value reported at ND.

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	09-Feb-11		10-Feb-11	
LEAD	0.01	* mg/l	0.01	mg/l
ZINC	0.418	* mg/l	0.180	MG/L
TOTAL CYANIDE	0.01	mg/l	0.01	MG/L
TOTAL CYANIDE	0.003	# / DAY	0.002	# / DAY
COD	710	* mg/l	2250	MG/L
PHENOLICS	222	mg/l	150	MG/L
PHOSPHOROUS	0.87	* mg/l	0.67	MG/L
TOTAL SUSPENDED SOLIDS	71	* mg/l	40	MG/L

* samples taken 3/30/10
(includes semi- volatiles above)

VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 12/2010 - 5/2011

Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD			
1-Dec-10	33,435		1-Jan-11	16,096		1-Feb-11	14,742		1-Mar-11	29,627		1-Apr-11	20,407		1-May-11	21,817
2-Dec-10	26,257		2-Jan-11	18,026		2-Feb-11	29,178		2-Mar-11	22,363		2-Apr-11	19,136		2-May-11	25,408
3-Dec-10	14,463		3-Jan-11	17,486		3-Feb-11	27,291		3-Mar-11	20,469		3-Apr-11	20,302		3-May-11	34,800
4-Dec-10	20,359		4-Jan-11	20,584		4-Feb-11	31,054		4-Mar-11	20,916		4-Apr-11	18,457		4-May-11	39,374
5-Dec-10	23,438		5-Jan-11	23,814		5-Feb-11	27,001		5-Mar-11	26,115		5-Apr-11	21,327		5-May-11	25,678
6-Dec-10	22,399		6-Jan-11	23,266		6-Feb-11	22,942		6-Mar-11	28,223		6-Apr-11	31,774		6-May-11	25,337
7-Dec-10	24,258		7-Jan-11	22,267		7-Feb-11	22,942		7-Mar-11	24,047		7-Apr-11	36,722		7-May-11	23,464
8-Dec-10	17,443		8-Jan-11	14,176		8-Feb-11	22,942		8-Mar-11	27,828		8-Apr-11	28,576		8-May-11	18,333
9-Dec-10	25,811		9-Jan-11	15,780		9-Feb-11	36,122		9-Mar-11	25,414		9-Apr-11	22,347		9-May-11	20,299
10-Dec-10	22,000		10-Jan-11	30,192		10-Feb-11	22,155		10-Mar-11	32,082		10-Apr-11	24,594		10-May-11	23,604
11-Dec-10	22,550		11-Jan-11	28,559		11-Feb-11	26,169		11-Mar-11	30,598		11-Apr-11	34,105		11-May-11	21,588
12-Dec-10	14,274		12-Jan-11	27,906		12-Feb-11	20,352		12-Mar-11	26,676		12-Apr-11	35,711		12-May-11	16,318
13-Dec-10	29,293		13-Jan-11	22,055		13-Feb-11	14,097		13-Mar-11	25,128		13-Apr-11	30,036		13-May-11	13,511
14-Dec-10	26,425		14-Jan-11	13,027		14-Feb-11	15,624		14-Mar-11	22,697		14-Apr-11	24,999		14-May-11	17,929
15-Dec-10	25,284		15-Jan-11	16,803		15-Feb-11	16,859		15-Mar-11	27,862		15-Apr-11	24,276		15-May-11	5,678
16-Dec-10	19,391		16-Jan-11	15,121		16-Feb-11	21,311		16-Mar-11	28,907		16-Apr-11	23,233		16-May-11	20,153
17-Dec-10	17,874		17-Jan-11	16,266		17-Feb-11	26,863		17-Mar-11	32,451		17-Apr-11	25,305		17-May-11	21,976
18-Dec-10	17,253		18-Jan-11	24,571		18-Feb-11	18,889		18-Mar-11	24,329		18-Apr-11	24,426		18-May-11	21,174
19-Dec-10	18,071		19-Jan-11	24,531		19-Feb-11	24,843		19-Mar-11	17,921		19-Apr-11	23,533		19-May-11	18,401
20-Dec-10	19,444		20-Jan-11	20,029		20-Feb-11	20,847		20-Mar-11	13,631		20-Apr-11	28,673		20-May-11	22,111
21-Dec-10	20,770		21-Jan-11	20,807		21-Feb-11	20,380		21-Mar-11	16,073		21-Apr-11	9,329		21-May-11	17,238
22-Dec-10	15,927		22-Jan-11	12,037		22-Feb-11	26,328		22-Mar-11	26,574		22-Apr-11	16,657		22-May-11	16,154
23-Dec-10	14,758		23-Jan-11	12,443		23-Feb-11	27,080		23-Mar-11	30,080		23-Apr-11	18,627		23-May-11	23,999
24-Dec-10	11,785		24-Jan-11	22,042		24-Feb-11	16,658		24-Mar-11	22,943		24-Apr-11	19,784		24-May-11	27,127
25-Dec-10	12,237		25-Jan-11	25,411		25-Feb-11	20,793		25-Mar-11	22,362		25-Apr-11	24,408		25-May-11	29,808
26-Dec-10	12,899		26-Jan-11	35,953		26-Feb-11	25,069		26-Mar-11	17,484		26-Apr-11	32,346		26-May-11	31,340
27-Dec-10	12,349		27-Jan-11	23,272		27-Feb-11	18,719		27-Mar-11	14,091		27-Apr-11	27,378		27-May-11	22,780
28-Dec-10	11,267		28-Jan-11	17,378		28-Feb-11	29,301		28-Mar-11	30,961		28-Apr-11	23,055		28-May-11	23,101
29-Dec-10	16,614		29-Jan-11	20,400					29-Mar-11	34,668		29-Apr-11	24,917		29-May-11	18,951
30-Dec-10	20,291		30-Jan-11	22,041					30-Mar-11	35,307		30-Apr-11	24,137		30-May-11	22,807
31-Dec-10	17,953		31-Jan-11	24,746					31-Mar-11	29,953					31-May-11	24,029
Total	606,570			647,084			646,554			787,779			738,577			694,289
Average	19,567			20,700			23,091			25,261			24,619			22,342
Maximum	33,435			35,953			36,122			35,307			36,722			39,374

VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

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I. FLOWS

see attached flow report. All days are included.

II. pH

% COMPLIANCE

III. OTHER PARAMETERS - MASS LIMITS

	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11					
	20-Sep-11	20-Sep-11	20-Sep-11	21-Sep-11	21-Sep-11	21-Sep-11	CITY	VDM	CITY MAX..	Exceed=1	Difference
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MNTH AVG.	MNTH AVG.	DAILY		
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	MASS LIMIT	AVG LOAD	MASS LIMIT		
IN # / DAY	IN # / DAY	IN # / DAY	IN # / DAY	IN # / DAY	IN # / DAY	IN # / DAY	IN # / DAY	IN # / DAY	IN # / DAY		
ACENAPHTHENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0026	0.0080	0.0063	1	-0.0085
ANTHRACENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0026	0.0080	0.0063	1	-0.0085
BENZENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0077	0.0032	0.0180	0	0.0121
BIS(2-ETHYLHEXYL) PHALATE	0.0356	100.0	0.0297	0.0222	50.0	0.0092	0.0128	0.0130	0.0346	1	0.0049
BROMODICHLOROMETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0191	0.0032	0.0510	0	0.0451
BROMOFORM	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0263	0.0032	0.1066	0	0.1007
BROMOMETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0191	0.0032	0.0510	0	0.0451
CARBON TETRACHLORIDE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0191	0.0032	0.0510	0	0.0451
CHLOROBENZENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0191	0.0032	0.0510	0	0.0451
CHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0148	0.0032	0.0396	0	0.0337
CHLOROFORM	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0149	0.0032	0.0436	0	0.0377
CHLOROMETHANE	0.0356	40.3	0.0120	0.0222	20.0	0.0037	0.0148	0.0052	0.0396	0	0.0276
DIBROMOCHLOROMETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0263	0.0032	0.1066	0	0.1007
DI-N-BUTYL PHTHALATE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0027	0.0080	0.0058	1	-0.0090
1,2-DICHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0263	0.0080	0.1066	0	0.0918
1,3-DICHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0191	0.0080	0.0510	0	0.0362
1,4-DICHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.9	0.0094	0.0191	0.0081	0.0510	0	0.0362
1,1-DICHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0030	0.0032	0.0230	1	0.0171
1,2-DICHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0242	0.0032	0.0771	0	0.0712
1,1-DICHLOROETHENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0030	0.0032	0.0081	1	0.0022
1,2-TRANS-DICHLOROETHENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0034	0.0032	0.0089	0	0.0030
1,2-DICHLOROPROPANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0263	0.0032	0.1066	0	0.1007
1,3-DICHLOROPROPENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0263	0.0032	0.1066	0	0.1007
DIETHYL PHTHALATE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0062	0.0080	0.0152	1	0.0004
DIMETHYL PHTHALATE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0026	0.0080	0.0063	1	-0.0085
4,6-DINITRO-2-METHYLPHENOL	0.0356	100.0	0.0297	0.0222	100.0	0.0185	0.0105	0.0161	0.0372	1	0.0075
ETHYLBENZENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0191	0.0032	0.0510	0	0.0451
FLUORANTHENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0030	0.0080	0.0073	1	-0.0075
FLUORENE	0.0356	50.0	0.0148	0.0222	20.0	0.0037	0.0026	0.0062	0.0063	1	-0.0085
HEXACHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0263	0.0080	0.1066	0	0.0918
HEXACHLOROBUTADIENE	0.0356	50.0	0.0148	0.0222	20.0	0.0037	0.0191	0.0062	0.0510	0	0.0362

VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

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HEXACHLOROETHANE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0026	0.0080	0.1066	1	0.0918
METHYLENE CHLORIDE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0048	0.0032	0.0228	0	0.0169
NAPHTHALENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0026	0.0080	0.0063	1	-0.0085
NITRO BENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.3004	0.0080	0.8596	0	0.8448
2-NITROPHENOL	0.0356	100.0	0.0297	0.0222	100.0	0.0185	0.0087	0.0161	0.0310	1	0.0013
4-NITROPHENOL	0.0356	100.0	0.0297	0.0222	100.0	0.0185	0.0218	0.0161	0.0773	0	0.0476
PHENANTHRENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0026	0.0080	0.0063	1	-0.0085
PYRENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0027	0.0080	0.0064	1	-0.0084
TETRACHLOROETHENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0070	0.0032	0.0220	0	0.0161
TOLUENE	0.0356	29.2	0.0087	0.0222	20.0	0.0037	0.0038	0.0041	0.0099	1	0.0012
1,2,4-TRICHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0263	0.0080	0.1066	0	0.0918
1,1,1-TRICHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0030	0.0032	0.0079	1	0.0020
1,1,2-TRICHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0043	0.0032	0.0171	0	0.0112
TRICHLOROETHENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0035	0.0032	0.0093	0	0.0034
VINYL CHLORIDE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0130	0.0032	0.0231	0	0.0172

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

Excedence# 18

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	20-Sep-11		21-Sep-11	
LEAD	0.01	* mg/l	0.01	mg/l
ZINC	0.487	* mg/l	0.444	MG/L
TOTAL CYANIDE	0.01	mg/l	0.01	MG/L
TOTAL CYANIDE	0.003	# / DAY	0.002	# / DAY
COD	3350	* mg/l	1090	MG/L
PHENOLICS	0.005	mg/l	0.005	MG/L
PHOSPHOROUS	0.4	* mg/l	0.29	MG/L
TOTAL SUSPENDED SOLIDS	9	* mg/l	40	MG/L

* samples taken 3/30/10
(includes semi- volatiles above)

VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 12/2010 - 5/2011

Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD		Date	GPD	
1-Dec-10	33,435		1-Jan-11	16,096		1-Feb-11	14,742		1-Mar-11	29,627		1-Apr-11	20,407		1-May-11	21,817		1-Jun-11	20634		1-Jul-11	20100		1-Aug-11	15806		1-Sep-11	28954		01-Oct-11	29691		01-Nov-11	23964		01-Dec-11	31,252	
2-Dec-10	26,257		2-Jan-11	18,026		2-Feb-11	29,178		2-Mar-11	22,363		2-Apr-11	19,136		2-May-11	23,408		2-Jun-11	20413		2-Jul-11	18757		2-Aug-11	12806		2-Sep-11	28283		02-Oct-11	18556		02-Nov-11	25646		02-Dec-11	21,189	
3-Dec-10	14,463		3-Jan-11	17,486		3-Feb-11	27,291		3-Mar-11	20,469		3-Apr-11	20,302		3-May-11	34,800		3-Jun-11	19980		3-Jul-11	18951		3-Aug-11	12546		3-Sep-11	12546		03-Oct-11	28305		03-Nov-11	27295		03-Dec-11	27,360	
4-Dec-10	20,359		4-Jan-11	20,584		4-Feb-11	31,054		4-Mar-11	20,916		4-Apr-11	18,457		4-May-11	39,374		4-Jun-11	18459		4-Jul-11	11016		4-Aug-11	21705		4-Sep-11	20453		04-Oct-11	29304		04-Nov-11	21893		04-Dec-11	17,342	
5-Dec-10	23,438		5-Jan-11	23,814		5-Feb-11	27,001		5-Mar-11	26,115		5-Apr-11	21,327		5-May-11	25,678		5-Jun-11	16537		5-Jul-11	15688		5-Aug-11	10744		5-Sep-11	23016		05-Oct-11	39692		05-Nov-11	15842		05-Dec-11		
6-Dec-10	22,399		6-Jan-11	23,266		6-Feb-11	22,942		6-Mar-11	28,223		6-Apr-11	31,774		6-May-11	25,337		6-Jun-11	21792		6-Jul-11	19814		6-Aug-11	16122		6-Sep-11	28708		06-Oct-11	20955		06-Nov-11	13382		06-Dec-11		
7-Dec-10	24,258		7-Jan-11	22,267		7-Feb-11	22,942		7-Mar-11	24,047		7-Apr-11	36,722		7-May-11	23,464		7-Jun-11	24470		7-Jul-11	20481		7-Aug-11	15231		7-Sep-11	28149		07-Oct-11	25547		07-Nov-11	11857		07-Dec-11		
8-Dec-10	17,443		8-Jan-11	14,176		8-Feb-11	22,942		8-Mar-11	27,828		8-Apr-11	28,576		8-May-11	18,333		8-Jun-11	24727		8-Jul-11	17601		8-Aug-11	25013		8-Sep-11	28010		08-Oct-11	18450		08-Nov-11	23609		08-Dec-11		
9-Dec-10	25,811		9-Jan-11	15,780		9-Feb-11	36,122		9-Mar-11	25,414		9-Apr-11	22,347		9-May-11	20,299		9-Jun-11	18124		9-Jul-11	21198		9-Aug-11	29813		9-Sep-11	25471		09-Oct-11	22227		09-Nov-11	21238		09-Dec-11		
10-Dec-10	22,000		10-Jan-11	30,192		10-Feb-11	22,155		10-Mar-11	32,082		10-Apr-11	24,594		10-May-11	23,604		10-Jun-11	19304		10-Jul-11	14351		10-Aug-11	23372		10-Sep-11	18808		10-Oct-11	25825		10-Nov-11	15921		10-Dec-11		
11-Dec-10	22,550		11-Jan-11	28,559		11-Feb-11	26,169		11-Mar-11	30,598		11-Apr-11	34,105		11-May-11	21,568		11-Jun-11	18122		11-Jul-11	20135		11-Aug-11	26354		11-Sep-11	15457		11-Oct-11	28040		11-Nov-11	22846		11-Dec-11		
12-Dec-10	14,274		12-Jan-11	27,606		12-Feb-11	20,352		12-Mar-11	26,676		12-Apr-11	35,711		12-May-11	18,318		12-Jun-11	16340		12-Jul-11	30031		12-Aug-11	26650		12-Sep-11	31410		12-Oct-11	31315		12-Nov-11	4409		12-Dec-11		
13-Dec-10	29,293		13-Jan-11	22,055		13-Feb-11	14,097		13-Mar-11	25,128		13-Apr-11	30,036		13-May-11	13,511		13-Jun-11	35834		13-Jul-11	19795		13-Aug-11	24189		13-Sep-11	34281		13-Oct-11	25436		13-Nov-11	4262		13-Dec-11		
14-Dec-10	26,425		14-Jan-11	13,027		14-Feb-11	15,824		14-Mar-11	22,697		14-Apr-11	24,999		14-May-11	17,929		14-Jun-11	26617		14-Jul-11	17036		14-Aug-11	19173		14-Sep-11	26353		14-Oct-11	27305		14-Nov-11	8820		14-Dec-11		
15-Dec-10	25,284		15-Jan-11	16,803		15-Feb-11	16,859		15-Mar-11	27,862		15-Apr-11	24,276		15-May-11	5,678		15-Jun-11	22571		15-Jul-11	14912		15-Aug-11	17755		15-Sep-11	26011		15-Oct-11	29486		15-Nov-11	25347		15-Dec-11		
16-Dec-10	19,391		16-Jan-11	15,121		16-Feb-11	21,311		16-Mar-11	28,907		16-Apr-11	23,233		16-May-11	20,163		16-Jun-11	23461		16-Jul-11	11829		16-Aug-11	40226		16-Sep-11	24187		16-Oct-11	26491		16-Nov-11	26375		16-Dec-11		
17-Dec-10	17,874		17-Jan-11	16,266		17-Feb-11	26,863		17-Mar-11	32,451		17-Apr-11	25,305		17-May-11	21,976		17-Jun-11	20849		17-Jul-11	9280		17-Aug-11	25533		17-Sep-11	20499		17-Oct-11	21706		17-Nov-11	29435		17-Dec-11		
18-Dec-10	17,253		18-Jan-11	24,571		18-Feb-11	18,889		18-Mar-11	24,329		18-Apr-11	24,426		18-May-11	21,174		18-Jun-11	14785		18-Jul-11	21949		18-Aug-11	24661		18-Sep-11	22930		18-Oct-11	29386		18-Nov-11	14104		18-Dec-11		
19-Dec-10	18,071		19-Jan-11	24,531		19-Feb-11	24,843		19-Mar-11	17,921		19-Apr-11	23,533		19-May-11	18,401		19-Jun-11	12970		19-Jul-11	18135		19-Aug-11	17139		19-Sep-11	36380		19-Oct-11	30265		19-Nov-11	10069		19-Dec-11		
20-Dec-10	19,444		20-Jan-11	20,029		20-Feb-11	20,847		20-Mar-11	13,631		20-Apr-11	28,673		20-May-11	22,111		20-Jun-11	14877		20-Jul-11	27345		20-Aug-11	12820		20-Sep-11	35610		20-Oct-11	29830		20-Nov-11	13417		20-Dec-11		
21-Dec-10	20,770		21-Jan-11	20,807		21-Feb-11	20,380		21-Mar-11	16,073		21-Apr-11	9,329		21-May-11	17,238		21-Jun-11	14359		21-Jul-11	19528		21-Aug-11	11795		21-Sep-11	38309		21-Oct-11	41428		21-Nov-11	15157		21-Dec-11		
22-Dec-10	15,927		22-Jan-11	12,037		22-Feb-11	26,328		22-Mar-11	26,574		22-Apr-11	16,657		22-May-11	16,154		22-Jun-11	30253		22-Jul-11	20456		22-Aug-11	21929		22-Sep-11	30191		22-Oct-11	35562		22-Nov-11	9079		22-Dec-11		
23-Dec-10	14,758		23-Jan-11	12,443		23-Feb-11	27,080		23-Mar-11	30,080		23-Apr-11	18,627		23-May-11	23,969		23-Jun-11	33723		23-Jul-11	16753		23-Aug-11	31519		23-Sep-11	20411		23-Oct-11	18279		23-Nov-11	24500		23-Dec-11		
24-Dec-10	11,785		24-Jan-11	22,042		24-Feb-11	16,658		24-Mar-11	22,943		24-Apr-11	19,784		24-May-11	27,127		24-Jun-11	26228		24-Jul-11	15101		24-Aug-11	30280		24-Sep-11	30291		24-Oct-11	21011		24-Nov-11	18269		24-Dec-11		
25-Dec-10	12,237		25-Jan-11	25,411		25-Feb-11	20,793		25-Mar-11	22,362		25-Apr-11	24,408		25-May-11	29,808		25-Jun-11	28212		25-Jul-11	21917		25-Aug-11	30042		25-Sep-11	25428		25-Oct-11	23629		25-Nov-11	16532		25-Dec-11		
26-Dec-10	12,899		26-Jan-11	35,953		26-Feb-11	25,069		26-Mar-11	17,484		26-Apr-11	32,346		26-May-11	31,340		26-Jun-11	26185		26-Jul-11	22930		26-Aug-11	18255		26-Sep-11	41681		26-Oct-11	28541		26-Nov-11	12307		26-Dec-11		
27-Dec-10	12,349		27-Jan-11	23,272		27-Feb-11	18,719		27-Mar-11	14,091		27-Apr-11	27,378		27-May-11	22,780		27-Jun-11	33483		27-Jul-11	22949		27-Aug-11	19648		27-Sep-11	34966		27-Oct-11	24301		27-Nov-11	16606		27-Dec-11		
28-Dec-10	11,267		28-Jan-11	17,378		28-Feb-11	29,301		28-Mar-11	30,961		28-Apr-11	23,055		28-May-11	23,101		28-Jun-11	19806		28-Jul-11	24846		28-Aug-11	20724		28-Sep-11	33104		28-Oct-11	22901		28-Nov-11	19584		28-Dec-11		
29-Dec-10	16,614		29-Jan-11	20,400					29-Mar-11	34,668		29-Apr-11	24,917		29-May-11	18,951		29-Jun-11	15548		29-Jul-11	24147		29-Aug-11	25718		29-Sep-11	32540		29-Oct-11	14440		29-Nov-11	21241		29-Dec-11		
30-Dec-10	20,291		30-Jan-11	22,041					30-Mar-11	35,307		30-Apr-11	24,137		30-May-11	22,807		30-Jun-11	21877		30-Jul-11	21040		30-Aug-11	32142		30-Sep-11	17,799		30-Oct-11	22737		30-Nov-11	29016		30-Dec-11		
31-Dec-10	17,953		31-Jan-11	24,746					31-Mar-11	29,953					31-May-11	24,029					31-Jul-11	17240		31-Aug-11	31117					31-Oct-11	21346					31-Dec-11		
Total	606,570			647,084			646,554			787,779			738,577			694,269			658,540			595,310			696,895			820,235			821,985			542,031			97,143	
Average	19,567			20,700			23,091			25,261			24,619			22,342			21,951			19,269			22,193			27,341			26,688			18,068			24,286	
Maximum	33,435			35,953			36,122			35,307			36,722			39,374			35,834			30,031			40,226			41,681			41,428			29,435			31,252	

VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

1st Semi Annual Report - 2011

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I. FLOWS

see attached flow report. All days are included.

II. pH

% COMPLIANCE

III. OTHER PARAMETERS - MASS LIMITS

	20-Sep-11	20-Sep-11	20-Sep-11	21-Sep-11	21-Sep-11	21-Sep-11	16-Nov-11	16-Nov-11	16-Nov-11	17-Nov-11	17-Nov-11	17-Nov-11	CITY	VDM	CITY MAX..	Exceed=1	Difference
	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	DAILY FLOW	DATA	MASS LOAD	MNTH AVG.	MNTH AVG.	DAILY		(lbs)
PARAMETER	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN MGD	IN PPB	IN # / DAY	IN # / DAY	IN # / DAY	IN #/DAY		
ACENAPHTHENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0026	0.0066	0.0063	1	-0.0085
ANTHRACENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0026	0.0066	0.0063	1	-0.0085
BENZENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0077	0.0026	0.0180	0	0.0121
BIS(2-ETHYLHEXYL) PHALATE	0.0356	100.0	0.0297	0.0222	50.0	0.0092	0.0259	10.0	0.0022	0.0279	10.0	0.0023	0.0128	0.0109	0.0346	0	0.0049
BROMODICHLOROMETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0191	0.0026	0.0510	0	0.0451
BROMOFORM	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0263	0.0026	0.1066	0	0.1007
BROMOMETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0191	0.0026	0.0510	0	0.0451
CARBON TETRACHLORIDE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	9.0	0.0019	0.0279	2.0	0.0005	0.0191	0.0030	0.0510	0	0.0451
CHLOROBENZENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	199.0	0.0429	0.0279	201.0	0.0468	0.0191	0.0248	0.0510	1	0.0451
CHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0148	0.0026	0.0396	0	0.0337
CHLOROFORM	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.5	0.0005	0.0279	2.3	0.0005	0.0149	0.0027	0.0436	0	0.0377
CHLOROMETHANE	0.0356	40.3	0.0120	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0148	0.0041	0.0396	0	0.0276
DIBROMOCHLOROMETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0263	0.0026	0.1066	0	0.1007
DI-N-BUTYL PHTHALATE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0027	0.0066	0.0058	1	-0.0090
1,2-DICHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0263	0.0066	0.1066	0	0.0918
1,3-DICHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0191	0.0066	0.0510	0	0.0362
1,4-DICHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.9	0.0094	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0191	0.0066	0.0510	0	0.0362
1,1-DICHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0030	0.0026	0.0230	0	0.0171
1,2-DICHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0242	0.0026	0.0771	0	0.0712
1,1-DICHLOROETHENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0030	0.0026	0.0081	0	0.0022
1,2-TRANS-DICHLOROETHENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0034	0.0026	0.0089	0	0.0030
1,2-DICHLOROPROPANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0263	0.0026	0.1066	0	0.1007
1,3-DICHLOROPROPENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0263	0.0026	0.1066	0	0.1007
DIETHYL PHTHALATE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0062	0.0066	0.0152	1	0.0004
DIMETHYL PHTHALATE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0026	0.0066	0.0063	1	-0.0085
4,6-DINITRO-2-METHYLPHENOL	0.0356	100.0	0.0297	0.0222	100.0	0.0185	0.0259	10.0	0.0022	0.0279	10.0	0.0023	0.0105	0.0132	0.0372	1	0.0075
ETHYLBENZENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	5.4	0.0012	0.0279	4.6	0.0011	0.0191	0.0030	0.0510	0	0.0451
FLUORANTHENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0030	0.0066	0.0073	1	-0.0075
FLUORENE	0.0356	50.0	0.0148	0.0222	20.0	0.0037	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0026	0.0052	0.0063	1	-0.0085
HEXACHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0263	0.0066	0.1066	0	0.0918
HEXACHLOROBUTADIENE	0.0356	50.0	0.0148	0.0222	20.0	0.0037	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0191	0.0052	0.0510	0	0.0362
HEXACHLOROETHANE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0026	0.0066	0.1066	1	0.0918
METHYLENE CHLORIDE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0048	0.0026	0.0228	0	0.0169
NAPHTHALENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0026	0.0066	0.0063	1	-0.0085
NITRO BENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.3004	0.0066	0.8596	0	0.8448
2-NITROPHENOL	0.0356	100.0	0.0297	0.0222	100.0	0.0185	0.0259	10.0	0.0022	0.0279	10.0	0.0023	0.0087	0.0132	0.0310	1	0.0013
4-NITROPHENOL	0.0356	100.0	0.0297	0.0222	100.0	0.0185	0.0259	10.0	0.0022	0.0279	10.0	0.0023	0.0218	0.0132	0.0773	0	0.0476
PHENANTHRENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0026	0.0066	0.0063	1	-0.0085
PYRENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0027	0.0066	0.0064	1	-0.0084
TETRACHLOROETHENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0070	0.0026	0.0220	0	0.0161
TOLUENE	0.0356	29.2	0.0087	0.0222	20.0	0.0037	0.0259	372.0	0.0802	0.0279	133.0	0.0310	0.0038	0.0309	0.0099	1	0.0012
1,2,4-TRICHLOROBENZENE	0.0356	50.0	0.0148	0.0222	50.0	0.0092	0.0259	5.0	0.0011	0.0279	5.0	0.0012	0.0263	0.0066	0.1066	0	0.0918
1,1,1-TRICHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0030	0.0026	0.0079	0	0.0020
1,1,2-TRICHLOROETHANE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0043	0.0026	0.0171	0	0.0112
TRICHLOROETHENE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0035	0.0026	0.0093	0	0.0034
VINYL CHLORIDE	0.0356	20.0	0.0059	0.0222	20.0	0.0037	0.0259	2.0	0.0004	0.0279	2.0	0.0005	0.0130	0.0026	0.0231	0	0.0172

VDM00973

VAN DE MARK CHEMICAL Inc - Semi Annual WWTP Results

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Shaded areas indicate reporting limit for parameter, sample value reported at ND.

Excedence#

15

IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	20-Sep-11		21-Sep-11		16-Nov-11		17-Nov-11	
LEAD	0.01	* mg/l	0.01	mg/l	0.01	* mg/l	0.01	mg/l
ZINC	0.487	* mg/l	0.444	MG/L	0.436	* mg/l	0.486	MG/L
TOTAL CYANIDE	0.01	mg/l	0.01	MG/L	0.01	mg/l	0.01	MG/L
TOTAL CYANIDE	0.003	# / DAY	0.002	# / DAY	0.002	# / DAY	0.002	# / DAY
COD	3350	* mg/l	1090	MG/L	308	* mg/l	300	MG/L
PHENOLICS	0.005	mg/l	0.005	MG/L	0.005	mg/l	0.005	MG/L
PHOSPHOROUS	0.4	* mg/l	0.29	MG/L	0.92	* mg/l	0.85	MG/L
TOTAL SUSPENDED SOLIDS	9	* mg/l	40	MG/L	26.4	* mg/l	23.6	MG/L

* samples taken 3/30/10
(includes semi- volatiles above)

VAN DE MARK CHEMICAL Inc - Semi Annual Flow readings - 12/2010 - 12/2011

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD
1-Dec-10	33,435	1-Jan-11	16,096	1-Feb-11	14,742	1-Mar-11	29,627	1-Apr-11	20,407	1-May-11	21,817	1-Jun-11	20634	1-Jul-11	20100	1-Aug-11	15806	1-Sep-11	28954	01-Oct-11	29691	01-Nov-11	23964	01-Dec-11	31,252		
2-Dec-10	26,257	2-Jan-11	18,026	2-Feb-11	29,178	2-Mar-11	22,363	2-Apr-11	19,136	2-May-11	25,408	2-Jun-11	20413	2-Jul-11	18757	2-Aug-11	12806	2-Sep-11	28283	02-Oct-11	19556	02-Nov-11	25646	02-Dec-11	21,189		
3-Dec-10	14,463	3-Jan-11	17,486	3-Feb-11	27,291	3-Mar-11	20,469	3-Apr-11	20,302	3-May-11	34,800	3-Jun-11	19980	3-Jul-11	18951	3-Aug-11	18612	3-Sep-11	12546	03-Oct-11	29305	03-Nov-11	27295	03-Dec-11	27,360		
4-Dec-10	20,359	4-Jan-11	20,584	4-Feb-11	31,054	4-Mar-11	20,916	4-Apr-11	18,457	4-May-11	39,374	4-Jun-11	16459	4-Jul-11	11016	4-Aug-11	21705	4-Sep-11	20453	04-Oct-11	29304	04-Nov-11	21893	04-Dec-11	17,342		
5-Dec-10	23,438	5-Jan-11	23,814	5-Feb-11	27,001	5-Mar-11	26,115	5-Apr-11	21,327	5-May-11	25,678	5-Jun-11	16537	5-Jul-11	15688	5-Aug-11	10744	5-Sep-11	23016	05-Oct-11	39692	05-Nov-11	15842	05-Dec-11			
6-Dec-10	22,399	6-Jan-11	23,266	6-Feb-11	22,942	6-Mar-11	28,223	6-Apr-11	31,774	6-May-11	25,337	6-Jun-11	21792	6-Jul-11	19814	6-Aug-11	16122	6-Sep-11	28708	06-Oct-11	20955	06-Nov-11	13382	06-Dec-11			
7-Dec-10	24,258	7-Jan-11	22,267	7-Feb-11	22,942	7-Mar-11	24,047	7-Apr-11	36,722	7-May-11	23,464	7-Jun-11	24470	7-Jul-11	20481	7-Aug-11	15231	7-Sep-11	28149	07-Oct-11	25547	07-Nov-11	11867	07-Dec-11			
8-Dec-10	17,443	8-Jan-11	14,176	8-Feb-11	22,942	8-Mar-11	27,828	8-Apr-11	28,576	8-May-11	18,333	8-Jun-11	24727	8-Jul-11	17601	8-Aug-11	25013	8-Sep-11	28010	08-Oct-11	18450	08-Nov-11	23609	08-Dec-11			
9-Dec-10	25,811	9-Jan-11	15,780	9-Feb-11	36,122	9-Mar-11	25,414	9-Apr-11	22,347	9-May-11	20,299	9-Jun-11	18124	9-Jul-11	21198	9-Aug-11	29813	9-Sep-11	25471	09-Oct-11	22227	09-Nov-11	21238	09-Dec-11			
10-Dec-10	22,000	10-Jan-11	30,192	10-Feb-11	22,155	10-Mar-11	32,082	10-Apr-11	24,594	10-May-11	23,604	10-Jun-11	19304	10-Jul-11	14351	10-Aug-11	23372	10-Sep-11	18808	10-Oct-11	29825	10-Nov-11	15921	10-Dec-11			
11-Dec-10	22,550	11-Jan-11	28,559	11-Feb-11	26,169	11-Mar-11	30,598	11-Apr-11	34,105	11-May-11	21,588	11-Jun-11	18122	11-Jul-11	20135	11-Aug-11	26354	11-Sep-11	15457	11-Oct-11	28040	11-Nov-11	22846	11-Dec-11			
12-Dec-10	14,274	12-Jan-11	27,906	12-Feb-11	20,352	12-Mar-11	26,676	12-Apr-11	35,711	12-May-11	16,318	12-Jun-11	16340	12-Jul-11	30031	12-Aug-11	26650	12-Sep-11	31410	12-Oct-11	31315	12-Nov-11	4409	12-Dec-11			
13-Dec-10	29,293	13-Jan-11	22,055	13-Feb-11	14,097	13-Mar-11	25,128	13-Apr-11	30,036	13-May-11	13,511	13-Jun-11	35834	13-Jul-11	19795	13-Aug-11	24189	13-Sep-11	34281	13-Oct-11	25436	13-Nov-11	4262	13-Dec-11			
14-Dec-10	26,425	14-Jan-11	13,027	14-Feb-11	15,624	14-Mar-11	22,697	14-Apr-11	24,999	14-May-11	17,929	14-Jun-11	26617	14-Jul-11	17036	14-Aug-11	19173	14-Sep-11	26353	14-Oct-11	27305	14-Nov-11	8820	14-Dec-11			
15-Dec-10	25,284	15-Jan-11	16,803	15-Feb-11	16,859	15-Mar-11	27,862	15-Apr-11	24,276	15-May-11	5,678	15-Jun-11	22571	15-Jul-11	14912	15-Aug-11	17755	15-Sep-11	26011	15-Oct-11	29486	15-Nov-11	25347	15-Dec-11			
16-Dec-10	19,391	16-Jan-11	15,121	16-Feb-11	21,311	16-Mar-11	28,907	16-Apr-11	23,233	16-May-11	20,153	16-Jun-11	23461	16-Jul-11	11829	16-Aug-11	40226	16-Sep-11	24187	16-Oct-11	26491	16-Nov-11	26375	16-Dec-11			
17-Dec-10	17,874	17-Jan-11	16,266	17-Feb-11	26,853	17-Mar-11	32,451	17-Apr-11	25,305	17-May-11	21,976	17-Jun-11	20849	17-Jul-11	9280	17-Aug-11	25533	17-Sep-11	20499	17-Oct-11	21706	17-Nov-11	29435	17-Dec-11			
18-Dec-10	17,253	18-Jan-11	24,571	18-Feb-11	18,899	18-Mar-11	24,329	18-Apr-11	24,426	18-May-11	21,174	18-Jun-11	14785	18-Jul-11	21949	18-Aug-11	24661	18-Sep-11	22930	18-Oct-11	29386	18-Nov-11	14104	18-Dec-11			
19-Dec-10	18,071	19-Jan-11	24,631	19-Feb-11	24,843	19-Mar-11	17,921	19-Apr-11	23,533	19-May-11	18,401	19-Jun-11	12970	19-Jul-11	18135	19-Aug-11	17139	19-Sep-11	36380	19-Oct-11	30265	19-Nov-11	10069	19-Dec-11			
20-Dec-10	19,444	20-Jan-11	20,029	20-Feb-11	20,847	20-Mar-11	13,631	20-Apr-11	28,673	20-May-11	22,111	20-Jun-11	14877	20-Jul-11	27345	20-Aug-11	12820	20-Sep-11	35610	20-Oct-11	29830	20-Nov-11	13417	20-Dec-11			
21-Dec-10	20,770	21-Jan-11	20,807	21-Feb-11	20,380	21-Mar-11	16,073	21-Apr-11	9,329	21-May-11	17,238	21-Jun-11	14359	21-Jul-11	19528	21-Aug-11	11795	21-Sep-11	38309	21-Oct-11	41428	21-Nov-11	15157	21-Dec-11			
22-Dec-10	15,927	22-Jan-11	12,037	22-Feb-11	26,328	22-Mar-11	26,574	22-Apr-11	16,657	22-May-11	16,154	22-Jun-11	30253	22-Jul-11	20456	22-Aug-11	21929	22-Sep-11	30191	22-Oct-11	39552	22-Nov-11	9079	22-Dec-11			
23-Dec-10	14,758	23-Jan-11	12,443	23-Feb-11	27,080	23-Mar-11	30,080	23-Apr-11	18,627	23-May-11	23,999	23-Jun-11	33723	23-Jul-11	16753	23-Aug-11	31519	23-Sep-11	20411	23-Oct-11	18279	23-Nov-11	24500	23-Dec-11			
24-Dec-10	11,785	24-Jan-11	22,042	24-Feb-11	16,658	24-Mar-11	22,943	24-Apr-11	19,784	24-May-11	27,127	24-Jun-11	26228	24-Jul-11	15101	24-Aug-11	30280	24-Sep-11	30291	24-Oct-11	21011	24-Nov-11	18269	24-Dec-11			
25-Dec-10	12,237	25-Jan-11	25,411	25-Feb-11	20,793	25-Mar-11	22,362	25-Apr-11	24,408	25-May-11	26,808	25-Jun-11	28212	25-Jul-11	21917	25-Aug-11	30042	25-Sep-11	25428	25-Oct-11	23629	25-Nov-11	16532	25-Dec-11			
26-Dec-10	12,899	26-Jan-11	35,953	26-Feb-11	25,089	26-Mar-11	17,484	26-Apr-11	32,346	26-May-11	31,340	26-Jun-11	26185	26-Jul-11	22930	26-Aug-11	18255	26-Sep-11	41681	26-Oct-11	28541	26-Nov-11	12307	26-Dec-11			
27-Dec-10	12,349	27-Jan-11	23,272	27-Feb-11	18,719	27-Mar-11	14,091	27-Apr-11	27,378	27-May-11	22,780	27-Jun-11	33483	27-Jul-11	22949	27-Aug-11	19648	27-Sep-11	34966	27-Oct-11	24301	27-Nov-11	16608	27-Dec-11			
28-Dec-10	11,267	28-Jan-11	17,378	28-Feb-11	29,301	28-Mar-11	30,961	28-Apr-11	23,055	28-May-11	23,101	28-Jun-11	19806	28-Jul-11	24845	28-Aug-11	20724	28-Sep-11	33104	28-Oct-11	22901	28-Nov-11	19584	28-Dec-11			
29-Dec-10	16,614	29-Jan-11	20,400			29-Mar-11	34,668	29-Apr-11	24,917	29-May-11	18,951	29-Jun-11	15548	29-Jul-11	24147	29-Aug-11	25718	29-Sep-11	32540	29-Oct-11	14440	29-Nov-11	21241	29-Dec-11			
30-Dec-10	20,291	30-Jan-11	22,041			30-Mar-11	35,307	30-Apr-11	24,137	30-May-11	22,807	30-Jun-11	21877	30-Jul-11	21040	30-Aug-11	32142	30-Sep-11	17,799	30-Oct-11	22737	30-Nov-11	29016	30-Dec-11			
31-Dec-10	17,953	31-Jan-11	24,746			31-Mar-11	29,953			31-May-11	24,029			31-Jul-11	17240	31-Aug-11	31117			31-Oct-11	21346			31-Dec-11			
Total	606,570		647,084		646,554		787,779		738,577		694,289		658,540		595,310		666,895		820,235		821,985		542,031		97,143		
Average	19,567		20,700		20,091		25,261		24,619		22,342		21,951		19,269		22,193		27,341		26,688		18,068		24,286		
Maximum	33,435		35,953		36,122		35,307		36,722		39,374		35,834		30,031		40,226		41,681		41,428		29,435		31,252		

VanDeMark - Semi Annual WWTP Results

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I. FLOWS

see attached flow report. All days are included.

II. pH

% COMPLIANCE

Dec-03	Jan-03	Feb-03	Mar-03	Apr-03	May-03
99.39%	99.97%	99.33%	99.8%	99.5%	

III. OTHER PARAMETERS - MASS LIMITS

PARAMETER	21-Jan-03 DAILY FLOW IN MGD	21-Jan-03 DATA IN PPB	21-Jan-03 MASS LOAD IN # / DAY	22-Jan-03 DAILY FLOW IN MGD	22-Jan-03 DATA IN PPB	22-Jan-03 MASS LOAD IN # / DAY	CITY AVG. MASS LIMIT IN #/DAY	VDM AVG LOAD IN # / DAY	VDM MAX. LOAD IN # / DAY	CITY MAX.. MASS LIMIT IN #/DAY
ACENAPHTHENE	0.051	4.3	0.0018	0.084	4.3	0.0030	0.015	0.0024	0.0030	0.037
ANTHRACENE	0.051	3.3	0.0014	0.084	3.3	0.0023	0.015	0.0018	0.0023	0.037
BENZENE	0.051	4.4	0.0019	0.084	4.4	0.0031	0.045	0.0025	0.0031	0.106
BIS(2-ETHYLHEXYL) PHALATE	0.051	2.4	0.0010	0.084	2.4	0.0017	0.075	0.0013	0.0017	0.204
CARBON TETRACHLORIDE	0.051	3.2	0.0014	0.084	6.4	0.0045	0.113	0.0029	0.0045	0.301
CHLOROBENZENE	0.051	6.0	0.0025	0.084	6.0	0.0042	0.113	0.0034	0.0042	0.301
CHLOROETHANE	0.051	10.0	0.0042	0.084	10.0	0.0070	0.087	0.0056	0.0070	0.234
CHLOROFORM	0.051	2.6	0.0011	0.084	4.5	0.0031	0.088	0.0021	0.0031	0.257
CHLOROMETHANE	0.051	10.0	0.0042	0.084	10.0	0.0070	0.087	0.0056	0.0070	0.234
DI-N-BUTYL PHTHALATE	0.051	3.8	0.0016	0.084	3.8	0.0027	0.016	0.0021	0.0027	0.034
1,2-DICHLOROBENZENE	0.051	4.0	0.0017	0.084	3.9	0.0027	0.155	0.0022	0.0027	0.629
1,3-DICHLOROBENZENE	0.051	3.6	0.0015	0.084	3.6	0.0025	0.113	0.0020	0.0025	0.301
1,4-DICHLOROBENZENE	0.051	4.4	0.0019	0.084	4.4	0.0031	0.113	0.0025	0.0031	0.301
1,1-DICHLOROETHANE	0.051	4.7	0.0020	0.084	4.7	0.0033	0.017	0.0026	0.0033	0.047
1,2-DICHLOROETHANE	0.051	5.0	0.0021	0.084	5.0	0.0035	0.143	0.0028	0.0035	0.455
1,1-DICHLOROETHENE	0.051	3.5	0.0015	0.084	7.1	0.0050	0.017	0.0032	0.0050	0.048
1,2-TRANS-DICHLOROETHENE	0.051	3.0	0.0013	0.084	6.0	0.0042	0.02	0.0027	0.0042	0.052
1,2-DICHLOROPROPANE	0.051	6.0	0.0025	0.084	6.0	0.0042	0.155	0.0034	0.0042	0.629
1,3-DICHLOROPROPENE	0.051	5.0	0.0021	0.084	5.5	0.0038	0.155	0.0030	0.0038	0.629
DIETHYL PHTHALATE	0.051	4.8	0.0020	0.084	4.8	0.0034	0.036	0.0027	0.0034	0.09
DIMETHYL PHTHALATE	0.051	6.2	0.0026	0.084	6.1	0.0043	0.015	0.0034	0.0043	0.037
4,6-DINITRO-2-METHYLPHENOL	0.051	24.0	0.0101	0.084	24.0	0.0168	0.062	0.0135	0.0168	0.219
ETHYLBENZENE	0.051	7.2	0.0030	0.084	8.1	0.0057	0.113	0.0043	0.0057	0.301
FLUORANTHENE	0.051	3.6	0.0015	0.084	3.6	0.0025	0.017	0.0020	0.0025	0.043

FLUORENE	0.051	4.4	0.0019	0.084	4.4	0.0031	0.015	0.0025	0.0031	0.037
HEXACHLOROBENZENE	0.051	3.0	0.0013	0.084	3.0	0.0021	0.115	0.0017	0.0021	0.629
HEXACHLOROBUTADIENE	0.051	4.6	0.0019	0.084	4.6	0.0032	0.113	0.0026	0.0032	0.301
HEXACHLOROETHANE	0.051	4.8	0.0020	0.084	4.8	0.0034	0.155	0.0027	0.0034	0.629
METHYLENE CHLORIDE	0.051	7.0	0.0030	0.084	14.0	0.0098	0.029	0.0064	0.0098	0.135
NAPHTHALENE	0.051	3.6	0.0015	0.084	3.6	0.0025	0.015	0.0020	0.0025	0.037
NITRO BENZENE	0.051	2.6	0.0011	0.084	2.6	0.0018	1.772	0.0015	0.0018	5.072
2-NITROPHENOL	0.051	3.6	0.0015	0.084	3.6	0.0025	0.051	0.0020	0.0025	0.183
4-NITROPHENOL	0.051	5.3	0.0022	0.084	5.3	0.0037	0.128	0.0030	0.0037	0.456
PHENANTHRENE	0.051	5.4	0.0023	0.084	5.4	0.0038	0.015	0.0030	0.0038	0.037
PYRENE	0.051	3.7	0.0016	0.084	3.7	0.0026	0.016	0.0021	0.0026	0.038
TETRACHLOROETHENE	0.051	4.1	0.0017	0.084	5.0	0.0035	0.041	0.0026	0.0035	0.13
TOLUENE	0.051	6.0	0.0025	0.084	6.0	0.0042	0.022	0.0034	0.0042	0.059
1,2,4-TRICHLOROBENZENE	0.051	3.6	0.0015	0.084	3.6	0.0025	0.155	0.0020	0.0025	0.629
1,1,1-TRICHLOROETHANE	0.051	3.8	0.0016	0.084	5.2	0.0036	0.017	0.0026	0.0036	0.047
1,1,2-TRICHLOROETHANE	0.051	5.0	0.0021	0.084	5.0	0.0035	0.025	0.0028	0.0035	0.101
TRICHLOROETHENE	0.051	2.4	0.0010	0.084	4.8	0.0034	0.021	0.0022	0.0034	0.055
VINYL CHLORIDE	0.051	10.0	0.0042	0.084	10.0	0.0070	0.077	0.0056	0.0070	0.136

Shaded areas indicate reporting limit for parameter, sample value reported at ND.

VanDeMark - Semi Annual WWTP Results

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IV. OTHER PARAMETERS - Miscellaneous

PARAMETER	21-Jan-03	22-Jan-03			
LEAD	0.01 mg/l	0.01 mg/l			UG/L
ZINC	0.055 MG/L	0.027 MG/L			MG/L
TOTAL CYANIDE	0.01 MG/L	0.01 MG/L			MG/L
TOTAL CYANIDE	0.004 # / DAY (0.124)	0.007 # / DAY (0.124)			# / DAY (0.124)
COD	1990 MG/L	778 MG/L			MG/L
PHENOLICS	0.01 MG/L	0.01 MG/L			MG/L
PHOSPHOROUS	0.023 MG/L	0.01 MG/L			MG/L
TOTAL SUSPENDED SOLIDS	37 MG/L	40 MG/L			MG/L

Date	GPD	Date	GPD	Date	GPD	Date	GPD	Date	GPD
1-Dec-02	38066	1-Jan-03	51989	1-Feb-03	52733	1-Mar-03	60657	1-Apr-03	43186
2-Dec-02	46665	2-Jan-03	46323	2-Feb-03	57437	2-Mar-03	61287	2-Apr-03	42804
3-Dec-02	47767	3-Jan-03	62484	3-Feb-03	59609	3-Mar-03	60953	3-Apr-03	44360
4-Dec-02	53515	4-Jan-03	59774	4-Feb-03	66116	4-Mar-03	64249	4-Apr-03	44669
5-Dec-02	56375	5-Jan-03	58579	5-Feb-03	73473	5-Mar-03	66064	5-Apr-03	47425
6-Dec-02	51595	6-Jan-03	54151	6-Feb-03	56180	6-Mar-03	75569	6-Apr-03	40936
7-Dec-02	61646	7-Jan-03	54877	7-Feb-03	54334	7-Mar-03	67411	7-Apr-03	38983
8-Dec-02	57530	8-Jan-03	63942	8-Feb-03	55930	8-Mar-03	71748	8-Apr-03	47930
9-Dec-02	57836	9-Jan-03	66779	9-Feb-03	64478	9-Mar-03	67911	9-Apr-03	42315
10-Dec-02	59115	10-Jan-03	67265	10-Feb-03	67141	10-Mar-03	72699	10-Apr-03	37182
11-Dec-02	62237	11-Jan-03	64870	11-Feb-03	68767	11-Mar-03	91456	11-Apr-03	36601
12-Dec-02	91142	12-Jan-03	66598	12-Feb-03	62396	12-Mar-03	79102	12-Apr-03	36694
13-Dec-02	15029	13-Jan-03	71450	13-Feb-03	62650	13-Mar-03	77410	13-Apr-03	41482
14-Dec-02	62172	14-Jan-03	55192	14-Feb-03	62655	14-Mar-03	77321	14-Apr-03	41618
15-Dec-02	61435	15-Jan-03	48546	15-Feb-03	65086	15-Mar-03	70481	15-Apr-03	36320
16-Dec-02	48580	16-Jan-03	52108	16-Feb-03	63586	16-Mar-03	70161	16-Apr-03	13582
17-Dec-02	79451	17-Jan-03	48162	17-Feb-03	59023	17-Mar-03	70806	17-Apr-03	15511
18-Dec-02	59935	18-Jan-03	45519	18-Feb-03	69528	18-Mar-03	66361	18-Apr-03	26193
19-Dec-02	52587	19-Jan-03	44346	19-Feb-03	73063	19-Mar-03	84281	19-Apr-03	25391
20-Dec-02	46338	20-Jan-03	52011	20-Feb-03	64561	20-Mar-03	59507	20-Apr-03	25428
21-Dec-02	49442	21-Jan-03	50616	21-Feb-03	65050	21-Mar-03	49522	21-Apr-03	24004
22-Dec-02	54801	22-Jan-03	83784	22-Feb-03	74613	22-Mar-03	52596	22-Apr-03	26281
23-Dec-02	49371	23-Jan-03	65019	23-Feb-03	70313	23-Mar-03	34395	23-Apr-03	25489
25-Dec-02	72506	24-Jan-03	60201	24-Feb-03	62147	24-Mar-03	23683	24-Apr-03	23637
26-Dec-02	37336	25-Jan-03	60191	25-Feb-03	69094	25-Mar-03	21394	25-Apr-03	22584
27-Dec-02	55198	26-Jan-03	59244	26-Feb-03	63640	26-Mar-03	28193	26-Apr-03	20630
28-Dec-02	38339	27-Jan-03	61295	27-Feb-03	68035	27-Mar-03	25904	27-Apr-03	18502
29-Dec-02	58297	28-Jan-03	72248	28-Feb-03	59657	28-Mar-03	17505	28-Apr-03	44019
30-Dec-02	53286	29-Jan-03	101192			29-Mar-03	20417	29-Apr-03	34208
31-Dec-02	44871	30-Jan-03	75084			30-Mar-03	19927	30-Apr-03	36,046
		31-Jan-03	57716			31-Mar-03	28816		
Total	1,622,461		1,881,554		1,791,296		1,737,789		1,004,009
Average	52,337		60,795		63,975		56,966		33,467
Maximum	91,142		101,192		74,613		91,456		47,930



Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 8904093

Spill Date/Time

Spill Date: 07/25/1989 Spill Time: 11:00:00 AM

Call Received Date: 07/25/1989 Call Received Time: 11:45:00 AM

Location

Spill Name: VANDEMARK CHEMICAL

Address: 1 NORTH TRANSIT STREET

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

ICPF	5.00 lbs.	Surface Water
------	-----------	---------------

Cause: Equipment Failure
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 07/31/1989

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9010609

Spill Date/Time

Spill Date: 01/03/1991 Spill Time: 01:00:00 PM

Call Received Date: 01/03/1991 Call Received Time: 04:00:00 PM

Location

Spill Name: VANDEMARK CHEMICAL

Address: NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

#2 Fuel Oil	130.00 Gal.	Soil
-------------	-------------	------

Cause: Human Error

Source: Commercial/Industrial

Waterbody:

Record Close

Date Spill Closed: 01/18/1991

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9103212

Spill Date/Time

Spill Date: 06/20/1991 Spill Time: 06:30:00 AM

Call Received Date: 06/20/1991 Call Received Time: 10:15:00 AM

Location

Spill Name: VANDEMARK CHEMICAL

Address: 1 NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled	Amount Spilled	Resource Affected
ETHYLENE GLYCOL	100.00 Gal.	Soil

Cause: Human Error

Source: Commercial/Industrial

Waterbody:

Record Close

Date Spill Closed: 02/11/1992

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9105330

Spill Date/Time

Spill Date: 08/16/1991 Spill Time: 02:00:00 AM

Call Received Date: 08/16/1991 Call Received Time: 05:58:00 PM

Location

Spill Name: VANDEMARK CHEMICAL

Address: 1 NORTH TRANSIT STREET

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

PHOSGENE UNKNOWN Air

Cause: Equipment Failure
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 08/19/1991

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9110312

Spill Date/Time

Spill Date: 01/02/1992 Spill Time: 07:35:00 AM

Call Received Date: 01/02/1992 Call Received Time: 09:01:00 AM

Location

Spill Name: VANCHEM

Address: 1 NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

#2 Fuel Oil	20.00 Gal.	Soil
-------------	------------	------

Cause: Equipment Failure

Source: Commercial/Industrial

Waterbody:

Record Close

Date Spill Closed: 02/11/1992

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9309329

Spill Date/Time

Spill Date: 11/01/1993 Spill Time: 10:00:00 AM

Call Received Date: 11/01/1993 Call Received Time: 03:22:00 PM

Location

Spill Name: VANDEMARK CHEMICAL

Address: 1 NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled	Amount Spilled	Resource Affected
------------------	----------------	-------------------

ETHYLENE GLYCOL	8.00 lbs.	Soil
-----------------	-----------	------

Cause: Equipment Failure
Source: Commercial Vehicle
Waterbody:

Record Close

Date Spill Closed: 01/21/1994

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9310649

Spill Date/Time

Spill Date: 11/30/1993 Spill Time: 12:55:00 AM

Call Received Date: 12/01/1993 Call Received Time: 12:00:00 PM

Location

Spill Name: VANDEMARK CHEMICAL

Address: ONE NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled	Amount Spilled	Resource Affected
------------------	----------------	-------------------

Material not identified	N/A	
-------------------------	-----	--

Cause: Human Error

Source: Commercial/Industrial

Waterbody:

Record Close

Date Spill Closed: 12/02/1993

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9312530

Spill Date/Time

Spill Date: 01/21/1994 Spill Time: 02:00:00 PM

Call Received Date: 01/21/1994 Call Received Time: 03:00:00 PM

Location

Spill Name: VANDEMARK CHEMICAL

Address: 1 NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

#2 Fuel Oil UNKNOWN Sewer

Cause: Equipment Failure

Source: Commercial/Industrial

Waterbody:

Record Close

Date Spill Closed: 01/21/1994

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9312994

Spill Date/Time

Spill Date: 01/28/1994 Spill Time: 08:30:00 AM

Call Received Date: 01/28/1994 Call Received Time: 01:05:00 PM

Location

Spill Name: VANDEMARK CHEMICAL

Address: 1 NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled	Amount Spilled	Resource Affected
------------------	----------------	-------------------

Material not identified N/A		
-----------------------------	--	--

Cause: Equipment Failure
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 02/08/1994

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9404885

Spill Date/Time

Spill Date: 07/10/1994 Spill Time: 02:00:00 AM

Call Received Date: 07/10/1994 Call Received Time: 02:15:00 AM

Location

Spill Name: VANDEMARK CHEMICAL

Address: 1 NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled	Amount Spilled	Resource Affected
------------------	----------------	-------------------

Material not identified	N/A	
-------------------------	-----	--

Cause: Equipment Failure
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 09/25/1995

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9501119

Spill Date/Time

Spill Date: 04/26/1995 Spill Time: 08:00:00 PM

Call Received Date: 04/26/1995 Call Received Time: 09:01:00 PM

Location

Spill Name: VAN CHEM INC

Address: 1 NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled	Amount Spilled	Resource Affected
HYDROGEN CHLORIDE	150.00 Gal.	Soil

Cause: Equipment Failure
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 05/25/1995

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9604777

Spill Date/Time

Spill Date: 07/12/1996 Spill Time: 08:00:00 AM

Call Received Date: 07/12/1996 Call Received Time: 09:49:00 AM

Location

Spill Name: VAN CHEM INC

Address: 1 NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled	Amount Spilled	Resource Affected
------------------	----------------	-------------------

ETHYLENE GLYCOL	50.00 Gal.	Soil
-----------------	------------	------

Cause: Equipment Failure
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 07/16/1997

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9609352

Spill Date/Time

Spill Date: 10/25/1996 Spill Time: 03:30:00 PM

Call Received Date: 10/25/1996 Call Received Time: 04:27:00 PM

Location

Spill Name: VANDEMARK CHEMICAL CO

Address: 1 NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled	Amount Spilled	Resource Affected
BENZENE CHLORO-	20.00 Gal.	Sewer
ETHYLENE GLYCOL	150.00 Gal.	Sewer

Cause: Equipment Failure

Source: Commercial/Industrial

Waterbody:

Record Close

Date Spill Closed: 04/30/1997

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9702968

Spill Date/Time

Spill Date: 06/09/1997 Spill Time: 06:01:00 PM

Call Received Date: 06/09/1997 Call Received Time: 06:55:00 PM

Location

Spill Name: VANDEMARK CHEMICALS

Address: 1 NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled	Amount Spilled	Resource Affected
------------------	----------------	-------------------

ETHYL ACETATE	300.00 Gal.	Sewer
---------------	-------------	-------

Cause: Equipment Failure
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 01/05/2000

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9703297

Spill Date/Time

Spill Date: 06/16/1997 Spill Time: 06:46:00 PM

Call Received Date: 06/16/1997 Call Received Time: 08:22:00 PM

Location

Spill Name: VANDEMARK CHEMICALS

Address: 1 NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

DIETHYLAMINE UNKNOWN Air

Cause: Equipment Failure
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 06/30/1997

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9703303

Spill Date/Time

Spill Date: 06/16/1997 Spill Time: 07:00:00 PM

Call Received Date: 06/17/1997 Call Received Time: 09:09:00 AM

Location

Spill Name: VANCHEM AIR RELEASE

Address: 1 NORTH TRANSIT

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

DIETHYLAMINE 10.00 lbs. Soil

Cause: Equipment Failure
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 09/30/1998

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9713762

Spill Date/Time

Spill Date: 03/12/1998 Spill Time: 10:30:00 AM

Call Received Date: 03/12/1998 Call Received Time: 11:40:00 AM

Location

Spill Name: VAN DEMARK CHEMICAL RAILC

Address: MILL ST & NORTH TRANSIT

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

CHLORINE UNKNOWN Air

Cause: Equipment Failure

Source: Railroad Car

Waterbody:

Record Close

Date Spill Closed: 09/30/1999

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9802579

Spill Date/Time

Spill Date: 05/28/1998 Spill Time: 04:00:00 PM

Call Received Date: 05/28/1998 Call Received Time: 09:19:00 PM

Location

Spill Name: VANDEMARK CHEMICALS

Address: 1 NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

PHOSPHORUS 100.00 lbs. Soil

Cause: Unknown

Source: Commercial/Industrial

Waterbody:

Record Close

Date Spill Closed: 08/11/1998

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 9911280

Spill Date/Time

Spill Date: 12/26/1999 Spill Time: 09:00:00 PM

Call Received Date: 12/27/1999 Call Received Time: 12:26:00 AM

Location

Spill Name: VANDEMARK

Address: 1 NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled	Amount Spilled	Resource Affected
UNKNOWN NON-PETRO/NON-HAZ MATERIAL	10.00 lbs.	Air

Cause: Equipment Failure
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 12/27/1999

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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Spill Incidents Database Search Details

Spill Record

MTBE detected at this location, Click here for more information on MTBE.

Administrative Information

DEC Region: 9

Spill Number: 0312919

Spill Date/Time

Spill Date: 02/23/2004 **Spill Time:** 02:18:00 PM

Call Received Date: 02/23/2004 **Call Received Time:** 02:18:00 PM

Location

Spill Name: VANDEMARK, INC.

Address: 1 NORTH TRANSIT RD

City: LOCKPORT **County:** NIAGARA

Spill Description

Material Spilled	Amount Spilled	Resource Affected
METHYL-TERT-BUTYL ETHER (MTBE)	25.00 lbs.	Sewer

Cause: Unknown

Source: Non Major Facility > 1,100 gal

Waterbody:

Record Close

Date Spill Closed: 02/24/2004

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 0607875

Spill Date/Time

Spill Date: 10/11/2006 Spill Time: 10:50:00 AM

Call Received Date: 10/11/2006 Call Received Time: 10:50:00 AM

Location

Spill Name: ISOCHEM INC

Address: 1 NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled	Amount Spilled	Resource Affected
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Material not identified	N/A	
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Cause: Other

Source: Commercial/Industrial

Waterbody:

Record Close

Date Spill Closed: 07/12/2007

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 0651605

Spill Date/Time

Spill Date: 11/17/2006 Spill Time: 12:00:00 PM

Call Received Date: 11/21/2006 Call Received Time: 12:00:00 PM

Location

Spill Name: CORNER OF

Address: STATE ST. & NORTH TRANSIT ROAD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled	Amount Spilled	Resource Affected
UNKNOWN PETROLEUM	UNKNOWN	Soil

Cause: Unknown

Source: Unknown

Waterbody:

Record Close

Date Spill Closed: 07/24/2007

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

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Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 0609740

Spill Date/Time

Spill Date: 11/27/2006 **Spill Time:** 07:30:00 AM

Call Received Date: 11/27/2006 **Call Received Time:** 09:02:00 AM

Location

Spill Name: ISOCHEM INC

Address: 1 NORTH TRANSIT ROAD

City: LOCKPORT **County:** NIAGARA

Spill Description

Material Spilled	Amount Spilled	Resource Affected
UNKNOWN HAZARDOUS MATERIAL	UNKNOWN	Soil
CHLOROBENZENE	10.00 lbs.	Soil

Cause: Equipment Failure
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 02/12/2007

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 9

Spill Number: 0901573

Spill Date/Time

Spill Date: 05/07/2009 Spill Time: 05:15:00 PM

Call Received Date: 05/08/2009 Call Received Time: 11:03:00 AM

Location

Spill Name: VANDEMARK

Address: 1 NORTH TRANSIT RD

City: LOCKPORT County: NIAGARA

Spill Description

Material Spilled Amount Spilled Resource Affected

TOLUENE 197.00 lbs. Unknown

Cause: Equipment Failure

Source: Commercial/Industrial

Waterbody:

Record Close

Date Spill Closed: 07/29/2009

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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Envirofacts Search Results

PCS



Detailed Reports



Results are based on data extracted on SEP-10-2012

Note: You are viewing results from the historic data system, Permit Compliance System (PCS). The state reporting this data to EPA no longer reports the data to PCS, but rather reports the data to a modernized system, Integrated Compliance Information System (ICIS). Use the following button to view the latest data from ICIS. [Run a ICIS Search](#)

The data for the Permit Compliance System (PCS) is frozen in Envirofacts for the following states and territories as of the below listed dates:

- Frozen as of June 6th, 2006: MA,NH,RI,VI,PR,DC,MD,IN,NM,UT,HI,AK,ID
- Frozen as of August, 2006: AS,AT,CT,CZ,FM,GA,GB,GU,JA,MH,MP,MT,MW,NE,NI,NN,NV,NY,PA,PW,SD,SR,TT,UM
- Frozen as of April 24th, 2008: IL
- Frozen as of August 26th, 2008: AR,CA,CO,OK,TN,WI
- Frozen as of June 17th, 2009: TX, LA, GM, AL
- Frozen as of March 1st, 2012: DE

PCS-ICIS Links

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- [Search](#)
 - [Search User Guide](#)
- [Customized Search](#)
 - [Customized Search User Guide](#)
- [Operator Definition](#)
- [PCS Model](#)
- [ICIS Model](#)
- [Law](#)
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- [Office of Wastewater Management Home](#)

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Facility

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>			
<u>STREET 1</u>	1 NORTH TRANSIT ROAD	<u>SIC CODE</u>	9999 = NONCLASSIFIABLE ESTABLISHMENTS
<u>CITY</u>	LOCKPORT /CITY/	<u>MAJOR / MINOR</u>	
<u>COUNTY NAME</u>	NIAGARA	<u>TYPE OF OWNERSHIP</u>	PRI = PRIVATE
<u>STATE</u>	NY	<u>INDUSTRY CLASS</u>	X
<u>ZIP CODE</u>	14094	<u>ACTIVITY STATUS</u>	A = Active
<u>REGION</u>	02	<u>INACTIVE DATE</u>	
<u>LATITUDE</u>	+4311030		
<u>LONGITUDE</u>	-07841502	<u>TYPE OF PERMIT ISSUED</u>	S = STATE
<u>LAT/LON CODE OF ACCURACY</u>	1 = NEAREST 10TH OF A SECOND	<u>PERMIT ISSUED DATE</u>	01-SEP-2004
<u>LAT/LON METHOD</u>	A = MAP INTERPOLATION	<u>PERMIT EXPIRED DATE</u>	01-FEB-2010
<u>LAT/LON SCALE</u>	3 = 24,000	<u>ORIGINAL PERMIT ISSUE DATE</u>	04-MAY-1990
<u>LAT/LON DATUM</u>	2 = NAD83		
<u>LAT/LON DESCRIPTION</u>	01099		
<u>USGS HYDRO BASIN CODE</u>		<u>STREAM SEGMENT</u>	
<u>FLOW</u>	.38	<u>MILEAGE IND</u>	
<u>RECEIVING STREAM CLASS CODE</u>		<u>FEDERAL GRANT IND</u>	
<u>RECEIVING WATERS</u>	EIGHTEEN MILE CK	<u>FINAL LIMITS IND</u>	F = FINAL
<u>PRETREATMENT CODE</u>			
<u>SLUDGE INDICATOR</u>		<u>SLUDGE CLASS FAC IND</u>	
<u>SLUDGE RELATED PERMIT NUM</u>		<u>ANNUAL DRY SLUDGE PROD</u>	

<u>MAILING NAME</u>	ISOCHEM, INC		
<u>MAILING STREET (1)</u>	ISOCHEM, INC	<u>MAILING STREET (2)</u>	1 NORTH TRANSIT ROAD
<u>MAILING CITY</u>	LOCKPORT	<u>MAILING STATE</u>	NY
<u>MAILING ZIP CODE</u>	14094		
<u>SLUDGE COMMERCIAL HANDLER</u>			
<u>SLUDGE HANDLER STREET (1)</u>		<u>SLUDGE HANDLER STREET (2)</u>	
<u>SLUDGE HANDLER CITY</u>		<u>SLUDGE HANDLER STATE</u>	
<u>SLUDGE HANDLER ZIP CODE</u>			
<u>COGNIZANT OFFICIAL</u>	MATTHEW BARMASSE	<u>COGNIZANT OFFICIAL TEL</u>	

Permit Documents

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>			

No Permit Documents Found.

Permit Tracking

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>PERMIT ISSUED BY</u>	S = STATE
<u>PERMIT ISSUED DATE</u>	01-SEP-2004	<u>ORIGINAL DATE OF ISSUE</u>	04-MAY-1990
<u>PERMIT EXPIRED DATE</u>	01-FEB-2010		

Permit Tracking Events:

<u>EVENT CODE</u>	<u>EVENT DESCRIPTION</u>	<u>ACTUAL DATE</u>
P5099	PERMIT EXPIRED	01-FEB-2010
P4099	PERMIT ISSUED	01-SEP-2004

Inspections

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>			

<u>INSPECTION TYPE</u>	<u>DATE OF INSPECTION</u>	<u>INSPECTION PERFORMED BY</u>
C = COMPLIANCE EVAL (NON-SAMPLING)	03-DEC-1997	S = STATE
C = COMPLIANCE EVAL (NON-SAMPLING)	31-AUG-1992	S = STATE
C = COMPLIANCE EVAL (NON-SAMPLING)	13-DEC-1991	S = STATE
R = RECONNAISSANCE	02-AUG-1991	S = STATE

Outfalls/Pipe Schedules

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>OUTFALL TYPE</u>	
<u>PIPE NUMBER</u>	001	<u>ACTIVITY STATUS</u>	A = ACTIVE
<u>REPORT DESIGNATOR</u>	M	<u>LATITUDE</u>	+4311009
<u>PIPE SET QUALIFIER</u>	9	<u>LONGITUDE</u>	-07841487

<u>INACTIVE DATE</u>		<u>LAT/LON ACCURACY</u>	1 = NEAREST 10TH OF A SECOND
<u>INIT LIMITS START DATE</u>		<u>LAT/LON METHOD</u>	A = MAP INTERPOLATION
<u>INIT LIMITS END DATE</u>		<u>LAT/LON SCALE</u>	3 = 24,000
<u>INTERIM LIMITS START DATE</u>		<u>LAT/LON DATUM</u>	2 = NAD83
<u>INTERIM LIMITS END DATE</u>		<u>LAT/LON DESCRIPTION</u>	01099
<u>FINAL LIMITS START DATE</u>	01-FEB-2005	<u>USGS HYDRO BASIN CODE</u>	04130001
<u>FINAL LIMITS END DATE</u>	31-JAN-2010	<u>PIPE STREAM SEGMENT</u>	
<u>INIT SUBM. DATE(EPA)</u>		<u>RECEIVING STREAM CLASS CD</u>	
<u>SUBMISSION UNITS (EPA)</u>		<u>MILEAGE INDICATOR</u>	
<u>UNITS IN EPA SUBM. PERIOD</u>	0	<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER
<u>INIT SUBM. DATE (STATE)</u>	28-JUL-1990		
<u>SUBMISSION UNITS (STATE)</u>	M = MONTHS		
<u>UNITS IN STATE SUBM. PERIOD</u>	1		
<u>INIT REPORTING DATE</u>	01-JUN-1990		
<u>REPORTING UNITS</u>	M = MONTHS		
<u>UNITS IN REPORTING PERIOD</u>	1		

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>OUTFALL TYPE</u>	
<u>PIPE NUMBER</u>	001	<u>ACTIVITY STATUS</u>	A = ACTIVE
<u>REPORT DESIGNATOR</u>	Q	<u>LATITUDE</u>	+4311009
<u>PIPE SET QUALIFIER</u>	9	<u>LONGITUDE</u>	-07841487
<u>INACTIVE DATE</u>		<u>LAT/LON ACCURACY</u>	1 = NEAREST 10TH OF A SECOND
<u>INIT LIMITS START DATE</u>		<u>LAT/LON METHOD</u>	A = MAP INTERPOLATION
<u>INIT LIMITS END DATE</u>		<u>LAT/LON SCALE</u>	3 = 24,000
<u>INTERIM LIMITS START DATE</u>		<u>LAT/LON DATUM</u>	2 = NAD83
<u>INTERIM LIMITS END DATE</u>		<u>LAT/LON DESCRIPTION</u>	01099
<u>FINAL LIMITS START DATE</u>	01-FEB-2005	<u>USGS HYDRO BASIN CODE</u>	04130001
<u>FINAL LIMITS END DATE</u>	31-JAN-2010	<u>PIPE STREAM SEGMENT</u>	
<u>INIT SUBM. DATE(EPA)</u>		<u>RECEIVING STREAM CLASS CD</u>	
<u>SUBMISSION UNITS (EPA)</u>		<u>MILEAGE INDICATOR</u>	
<u>UNITS IN EPA SUBM. PERIOD</u>	0	<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER QTR
<u>INIT SUBM. DATE (STATE)</u>	28-SEP-1990		
<u>SUBMISSION UNITS (STATE)</u>	M = MONTHS		
<u>UNITS IN STATE SUBM. PERIOD</u>	3		
<u>INIT REPORTING DATE</u>	01-JUN-1990		
<u>REPORTING UNITS</u>	M = MONTHS		
<u>UNITS IN REPORTING PERIOD</u>	3		

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>OUTFALL TYPE</u>	
<u>PIPE NUMBER</u>	001	<u>ACTIVITY STATUS</u>	A = ACTIVE
<u>REPORT DESIGNATOR</u>	S	<u>LATITUDE</u>	+4311009
<u>PIPE SET QUALIFIER</u>	9	<u>LONGITUDE</u>	-07841487

<u>INACTIVE DATE</u>		<u>LAT/LON ACCURACY</u>	1 = NEAREST 10TH OF A SECOND
<u>INIT LIMITS START DATE</u>		<u>LAT/LON METHOD</u>	A = MAP INTERPOLATION
<u>INIT LIMITS END DATE</u>		<u>LAT/LON SCALE</u>	3 = 24,000
<u>INTERIM LIMITS START DATE</u>		<u>LAT/LON DATUM</u>	2 = NAD83
<u>INTERIM LIMITS END DATE</u>		<u>LAT/LON DESCRIPTION</u>	01099
<u>FINAL LIMITS START DATE</u>	01-FEB-2005	<u>USGS HYDRO BASIN CODE</u>	04130001
<u>FINAL LIMITS END DATE</u>	31-JAN-2010	<u>PIPE STREAM SEGMENT</u>	
<u>INIT SUBM. DATE(EPA)</u>		<u>RECEIVING STREAM CLASS CD</u>	
<u>SUBMISSION UNITS (EPA)</u>		<u>MILEAGE INDICATOR</u>	
<u>UNITS IN EPA SUBM. PERIOD</u>	0	<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER SEMI
<u>INIT SUBM. DATE (STATE)</u>	28-DEC-1990		
<u>SUBMISSION UNITS (STATE)</u>	M = MONTHS		
<u>UNITS IN STATE SUBM. PERIOD</u>	6		
<u>INIT REPORTING DATE</u>	01-JUN-1990		
<u>REPORTING UNITS</u>	M = MONTHS		
<u>UNITS IN REPORTING PERIOD</u>	6		

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>OUTFALL TYPE</u>	
<u>PIPE NUMBER</u>	004	<u>ACTIVITY STATUS</u>	A = ACTIVE
<u>REPORT DESIGNATOR</u>	M	<u>LATITUDE</u>	+4311022
<u>PIPE SET QUALIFIER</u>	9	<u>LONGITUDE</u>	-07841527
<u>INACTIVE DATE</u>		<u>LAT/LON ACCURACY</u>	1 = NEAREST 10TH OF A SECOND
<u>INIT LIMITS START DATE</u>		<u>LAT/LON METHOD</u>	A = MAP INTERPOLATION
<u>INIT LIMITS END DATE</u>		<u>LAT/LON SCALE</u>	3 = 24,000
<u>INTERIM LIMITS START DATE</u>		<u>LAT/LON DATUM</u>	2 = NAD83
<u>INTERIM LIMITS END DATE</u>		<u>LAT/LON DESCRIPTION</u>	01099
<u>FINAL LIMITS START DATE</u>	01-FEB-2005	<u>USGS HYDRO BASIN CODE</u>	04130001
<u>FINAL LIMITS END DATE</u>	31-JAN-2010	<u>PIPE STREAM SEGMENT</u>	
<u>INIT SUBM. DATE(EPA)</u>		<u>RECEIVING STREAM CLASS CD</u>	
<u>SUBMISSION UNITS (EPA)</u>		<u>MILEAGE INDICATOR</u>	
<u>UNITS IN EPA SUBM. PERIOD</u>	0	<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER
<u>INIT SUBM. DATE (STATE)</u>	28-JUL-1990		
<u>SUBMISSION UNITS (STATE)</u>	M = MONTHS		
<u>UNITS IN STATE SUBM. PERIOD</u>	1		
<u>INIT REPORTING DATE</u>	01-JUN-1990		
<u>REPORTING UNITS</u>	M = MONTHS		
<u>UNITS IN REPORTING PERIOD</u>	1		

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>OUTFALL TYPE</u>	
<u>PIPE NUMBER</u>	004	<u>ACTIVITY STATUS</u>	A = ACTIVE
<u>REPORT DESIGNATOR</u>	Q	<u>LATITUDE</u>	+4311022
<u>PIPE SET QUALIFIER</u>	9	<u>LONGITUDE</u>	-07841527

<u>INACTIVE DATE</u>		<u>LAT/LON ACCURACY</u>	1 = NEAREST 10TH OF A SECOND
<u>INIT LIMITS START DATE</u>		<u>LAT/LON METHOD</u>	A = MAP INTERPOLATION
<u>INIT LIMITS END DATE</u>		<u>LAT/LON SCALE</u>	3 = 24,000
<u>INTERIM LIMITS START DATE</u>		<u>LAT/LON DATUM</u>	2 = NAD83
<u>INTERIM LIMITS END DATE</u>		<u>LAT/LON DESCRIPTION</u>	01099
<u>FINAL LIMITS START DATE</u>	01-FEB-2005	<u>USGS HYDRO BASIN CODE</u>	04130001
<u>FINAL LIMITS END DATE</u>	31-JAN-2010	<u>PIPE STREAM SEGMENT</u>	
<u>INIT SUBM. DATE(EPA)</u>		<u>RECEIVING STREAM CLASS CD</u>	
<u>SUBMISSION UNITS (EPA)</u>		<u>MILEAGE INDICATOR</u>	
<u>UNITS IN EPA SUBM. PERIOD</u>	0	<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER QTR
<u>INIT SUBM. DATE (STATE)</u>	28-SEP-1990		
<u>SUBMISSION UNITS (STATE)</u>	M = MONTHS		
<u>UNITS IN STATE SUBM. PERIOD</u>	3		
<u>INIT REPORTING DATE</u>	01-JUN-1990		
<u>REPORTING UNITS</u>	M = MONTHS		
<u>UNITS IN REPORTING PERIOD</u>	3		

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>OUTFALL TYPE</u>	
<u>PIPE NUMBER</u>	004	<u>ACTIVITY STATUS</u>	A = ACTIVE
<u>REPORT DESIGNATOR</u>	S	<u>LATITUDE</u>	+4311022
<u>PIPE SET QUALIFIER</u>	9	<u>LONGITUDE</u>	-07841527
<u>INACTIVE DATE</u>		<u>LAT/LON ACCURACY</u>	1 = NEAREST 10TH OF A SECOND
<u>INIT LIMITS START DATE</u>		<u>LAT/LON METHOD</u>	A = MAP INTERPOLATION
<u>INIT LIMITS END DATE</u>		<u>LAT/LON SCALE</u>	3 = 24,000
<u>INTERIM LIMITS START DATE</u>		<u>LAT/LON DATUM</u>	2 = NAD83
<u>INTERIM LIMITS END DATE</u>		<u>LAT/LON DESCRIPTION</u>	01099
<u>FINAL LIMITS START DATE</u>	01-FEB-2005	<u>USGS HYDRO BASIN CODE</u>	04130001
<u>FINAL LIMITS END DATE</u>	31-JAN-2010	<u>PIPE STREAM SEGMENT</u>	
<u>INIT SUBM. DATE(EPA)</u>		<u>RECEIVING STREAM CLASS CD</u>	
<u>SUBMISSION UNITS (EPA)</u>		<u>MILEAGE INDICATOR</u>	
<u>UNITS IN EPA SUBM. PERIOD</u>	0	<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER SEMI
<u>INIT SUBM. DATE (STATE)</u>	28-DEC-1990		
<u>SUBMISSION UNITS (STATE)</u>	M = MONTHS		
<u>UNITS IN STATE SUBM. PERIOD</u>	6		
<u>INIT REPORTING DATE</u>	01-JUN-1990		
<u>REPORTING UNITS</u>	M = MONTHS		
<u>UNITS IN REPORTING PERIOD</u>	6		

Limits Report

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>PIPE NUMBER</u>	001
<u>REPORT DESIGNATOR</u>	M	<u>PIPE SET QUALIFIER</u>	9

LIMIT TYPE	PARAMETER CODE	MONITORING LOCATION	SEASON NUM	MODIFICATION NUM	MOD. PERIOD START DATE	MOD. PERIOD END DATE	CHANGE OF LIMIT STATUS	CONTESTED PARAMETER INDICATOR	DOCKET NUMBER	LONG FORMAT
5 = FINAL	TEMPERATURE, WATER DEG. FAHRENHEIT	1 = EFFLUENT GROSS VALUE	0	0	01-FEB-2005	31-JAN-2010				<u>YES</u>
5 = FINAL	PH	1 = EFFLUENT GROSS VALUE	0	0	01-FEB-2005	31-JAN-2010				<u>YES</u>
5 = FINAL	FLOW RATE	1 = EFFLUENT GROSS VALUE	0	0	01-FEB-2005	31-JAN-2010				<u>YES</u>

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>PIPE NUMBER</u>	004
<u>REPORT DESIGNATOR</u>	Q	<u>PIPE SET QUALIFIER</u>	9

LIMIT TYPE	PARAMETER CODE	MONITORING LOCATION	SEASON NUM	MODIFICATION NUM	MOD. PERIOD START DATE	MOD. PERIOD END DATE	CHANGE OF LIMIT STATUS	CONTESTED PARAMETER INDICATOR	DOCKET NUMBER	LONG FORMAT
5 = FINAL	SOLIDS, TOTAL SUSPENDED	7 = INTAKE FROM STREAM	0	0	01-FEB-2005	31-JAN-2010				<u>YES</u>
5 = FINAL	SOLIDS, TOTAL SUSPENDED	1 = EFFLUENT GROSS VALUE	0	0	01-FEB-2005	31-JAN-2010				<u>YES</u>

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>PIPE NUMBER</u>	001
<u>REPORT DESIGNATOR</u>	Q	<u>PIPE SET QUALIFIER</u>	9

LIMIT TYPE	PARAMETER CODE	MONITORING LOCATION	SEASON NUM	MODIFICATION NUM	MOD. PERIOD START DATE	MOD. PERIOD END DATE	CHANGE OF LIMIT STATUS	CONTESTED PARAMETER INDICATOR	DOCKET NUMBER	LONG FORMAT
5 = FINAL	SOLIDS, TOTAL SUSPENDED	7 = INTAKE FROM STREAM	0	0	01-FEB-2005	31-JAN-2010				<u>YES</u>
5 = FINAL	SOLIDS, TOTAL SUSPENDED	1 = EFFLUENT GROSS VALUE	0	0	01-FEB-2005	31-JAN-2010				<u>YES</u>

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>PIPE NUMBER</u>	001
<u>REPORT DESIGNATOR</u>	S	<u>PIPE SET QUALIFIER</u>	9

LIMIT TYPE	PARAMETER CODE	MONITORING LOCATION	SEASON NUM	MODIFICATION NUM	MOD. PERIOD START DATE	MOD. PERIOD END DATE	CHANGE OF LIMIT STATUS	CONTESTED PARAMETER INDICATOR	DOCKET NUMBER	LONG FORMAT
5 = FINAL	OXYGEN DEMAND, CHEM. (LOW LEVEL) (COD)	1 = EFFLUENT GROSS VALUE	0	0	01-FEB-2005	31-JAN-2010				<u>YES</u>

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>PIPE NUMBER</u>	004
<u>REPORT DESIGNATOR</u>	M	<u>PIPE SET QUALIFIER</u>	9

LIMIT TYPE	PARAMETER CODE	MONITORING LOCATION	SEASON NUM	MODIFICATION NUM	MOD. PERIOD START DATE	MOD. PERIOD END DATE	CHANGE OF LIMIT STATUS	CONTESTED PARAMETER INDICATOR	DOCKET NUMBER	LONG FORMAT
5 = FINAL	TEMPERATURE, WATER DEG. FAHRENHEIT	1 = EFFLUENT GROSS VALUE	0	0	01-FEB-2005	31-JAN-2010				YES
5 = FINAL	PH	1 = EFFLUENT GROSS VALUE	0	0	01-FEB-2005	31-JAN-2010				YES
5 = FINAL	FLOW RATE	1 = EFFLUENT GROSS VALUE	0	0	01-FEB-2005	31-JAN-2010				YES

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		PIPE NUMBER	004
REPORT DESIGNATOR	S	PIPE SET QUALIFIER	9

LIMIT TYPE	PARAMETER CODE	MONITORING LOCATION	SEASON NUM	MODIFICATION NUM	MOD. PERIOD START DATE	MOD. PERIOD END DATE	CHANGE OF LIMIT STATUS	CONTESTED PARAMETER INDICATOR	DOCKET NUMBER	LONG FORMAT
5 = FINAL	OXYGEN DEMAND, CHEM. (LOW LEVEL) (COD)	1 = EFFLUENT GROSS VALUE	0	0	01-FEB-2005	31-JAN-2010				YES

Measurements and Violations

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)		LIMIT TYPE	5 = FINAL
PIPE NUMBER	001	SEASON NUM	0
REPORT DESIGNATOR	M	PARAMETER CODE	00011 = TEMPERATURE, WATER DEG. FAHRENHEIT
PIPE SET QUALIFIER	9	MONITORING LOCATION	1 = EFFLUENT GROSS VALUE
MODIFICATION NUM	0		

MONITORING PERIOD END DATE	DISCHARGE IND	QTY MAXIMUM	QTY AVERAGE	CONC MAXIMUM	CONC AVERAGE	CONC MINIMUM	RNC DETECTION CODE	RNC DETECTION DATE	RNC RESOLUTION CODE	RNC RESOLUTION DATE	MEASUREMENT VIOLATION CODE
30-JUN-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAY-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-APR-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAR-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL

28-FEB-2006	C = NO DISCHARGE								E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-JAN-2006	C = NO DISCHARGE								E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-DEC-2005				44					E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-NOV-2005				46					E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-OCT-2005				56					E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-SEP-2005				65					E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-AUG-2005	C = NO DISCHARGE								E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-JUL-2005				58					E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-JUN-2005				50					E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAY-2005				40					E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-APR-2005				38					E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAR-2005				35					E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
28-FEB-2005				40					E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>LIMIT TYPE</u>	5 = FINAL
<u>PIPE NUMBER</u>	001	<u>SEASON NUM</u>	0
<u>REPORT DESIGNATOR</u>	M	<u>PARAMETER CODE</u>	00056 = FLOW RATE
<u>PIPE SET QUALIFIER</u>	9	<u>MONITORING LOCATION</u>	1 = EFFLUENT GROSS VALUE
<u>MODIFICATION NUM</u>	0		

<u>MONITORING PERIOD END DATE</u>	<u>DISCHARGE IND</u>	<u>QTY MAXIMUM</u>	<u>QTY AVERAGE</u>	<u>CONC MAXIMUM</u>	<u>CONC AVERAGE</u>	<u>CONC MINIMUM</u>	<u>RNC DETECTION CODE</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION CODE</u>	<u>RNC RESOLUTION DATE</u>	<u>MEASUREMENT VIOLATION CODE</u>
30-JUN-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAY-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-APR-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAR-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
28-FEB-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-JAN-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-DEC-2005		780	780								E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-NOV-2005		11117	6822								E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-OCT-2005		49110	3761								E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-SEP-2005		110	110								E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-AUG-2005	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL

31-JUL-2005		14010	4695							ONLY, NO VIOLATION NO VIOL E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-JUN-2005		11335	6235							E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAY-2005		5225	4991							E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-APR-2005		16480	6562							E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAR-2005		11030	5937							E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
28-FEB-2005		8300	6144							E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>LIMIT TYPE</u>	5 = FINAL
<u>PIPE NUMBER</u>	001	<u>SEASON NUM</u>	0
<u>REPORT DESIGNATOR</u>	M	<u>PARAMETER CODE</u>	00400 = PH
<u>PIPE SET QUALIFIER</u>	9	<u>MONITORING LOCATION</u>	1 = EFFLUENT GROSS VALUE
<u>MODIFICATION NUM</u>	0		

<u>MONITORING PERIOD END DATE</u>	<u>DISCHARGE IND</u>	<u>QTY MAXIMUM</u>	<u>QTY AVERAGE</u>	<u>CONC MAXIMUM</u>	<u>CONC AVERAGE</u>	<u>CONC MINIMUM</u>	<u>RNC DETECTION CODE</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION CODE</u>	<u>RNC RESOLUTION DATE</u>	<u>MEASUREMENT VIOLATION CODE</u>
30-JUN-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAY-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-APR-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAR-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO

28-FEB-2006	C = NO DISCHARGE									VIOlation NO VIOL E00 = MEASUREMENT ONLY, NO VIOlation NO VIOL
31-JAN-2006	C = NO DISCHARGE									E00 = MEASUREMENT ONLY, NO VIOlation NO VIOL
31-DEC-2005			7.6		7.6					E00 = MEASUREMENT ONLY, NO VIOlation NO VIOL
30-NOV-2005			7.4		7.4					E00 = MEASUREMENT ONLY, NO VIOlation NO VIOL
31-OCT-2005			7.2		7.2					E00 = MEASUREMENT ONLY, NO VIOlation NO VIOL
30-SEP-2005			7.8		7.8					E00 = MEASUREMENT ONLY, NO VIOlation NO VIOL
31-AUG-2005	C = NO DISCHARGE									E00 = MEASUREMENT ONLY, NO VIOlation NO VIOL
31-JUL-2005			7.9		7.9					E00 = MEASUREMENT ONLY, NO VIOlation NO VIOL
30-JUN-2005			7.5		7.5					E00 = MEASUREMENT ONLY, NO VIOlation NO VIOL
31-MAY-2005			7.8		7.8					E00 = MEASUREMENT ONLY, NO VIOlation NO VIOL
30-APR-2005			7.9		7.9					E00 = MEASUREMENT ONLY, NO VIOlation NO VIOL
31-MAR-2005			7.8		7.8					E00 = MEASUREMENT ONLY, NO VIOlation NO VIOL
28-FEB-2005			7.6		7.6					E00 = MEASUREMENT ONLY, NO

VIOLATION NO VIOL

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>LIMIT TYPE</u>	5 = FINAL
<u>PIPE NUMBER</u>	001	<u>SEASON NUM</u>	0
<u>REPORT DESIGNATOR</u>	Q	<u>PARAMETER CODE</u>	00530 = SOLIDS, TOTAL SUSPENDED
<u>PIPE SET QUALIFIER</u>	9	<u>MONITORING LOCATION</u>	1 = EFFLUENT GROSS VALUE
<u>MODIFICATION NUM</u>	0		

<u>MONITORING PERIOD END DATE</u>	<u>DISCHARGE IND</u>	<u>QTY MAXIMUM</u>	<u>QTY AVERAGE</u>	<u>CONC MAXIMUM</u>	<u>CONC AVERAGE</u>	<u>CONC MINIMUM</u>	<u>RNC DETECTION CODE</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION CODE</u>	<u>RNC RESOLUTION DATE</u>	<u>MEASURE VIOLATION CODE</u>
31-MAY-2006	C = NO DISCHARGE										E00 = MEASURE ONLY, NO VIOLATION VIOL
28-FEB-2006							N = RPT- NONRECEIPT OF DMR/CS RPT	28-FEB-2006	1 = NC- UNRESOLVED RNC		E11 = MONIT ONLY, CON ABSENT COI ABS
30-NOV-2005				5.0	5.0						E00 = MEASURE ONLY, NO VIOLATION VIOL
31-AUG-2005				<4	<4						E00 = MEASURE ONLY, NO VIOLATION VIOL
31-MAY-2005				<4	<4						E00 = MEASURE ONLY, NO VIOLATION VIOL
28-FEB-2005				<4.0	<4.0						E00 = MEASURE ONLY, NO VIOLATION VIOL

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>LIMIT TYPE</u>	5 = FINAL
<u>PIPE NUMBER</u>	001	<u>SEASON NUM</u>	0
<u>REPORT DESIGNATOR</u>	Q	<u>PARAMETER CODE</u>	00530 = SOLIDS, TOTAL SUSPENDED
<u>PIPE SET QUALIFIER</u>	9	<u>MONITORING LOCATION</u>	7 = INTAKE FROM STREAM
<u>MODIFICATION NUM</u>	0		

<u>MONITORING PERIOD END DATE</u>	<u>DISCHARGE IND</u>	<u>QTY MAXIMUM</u>	<u>QTY AVERAGE</u>	<u>CONC MAXIMUM</u>	<u>CONC AVERAGE</u>	<u>CONC MINIMUM</u>	<u>RNC DETECTION CODE</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION CODE</u>	<u>RNC RESOLUTION DATE</u>	<u>MEASUR VIOLA COI</u>
31-MAY-2006	C = NO DISCHARGE										E00 MEASUR ONLY

										VIOLATI VIC
28-FEB-2006	9 = MONITORING IS CONDITIONAL/NOT REQ THIS MP									E0C MEASUR ONLY VIOLATI VIC
30-NOV-2005	9 = MONITORING IS CONDITIONAL/NOT REQ THIS MP									E0C MEASUR ONLY VIOLATI VIC
31-AUG-2005	9 = MONITORING IS CONDITIONAL/NOT REQ THIS MP									E0C MEASUR ONLY VIOLATI VIC
31-MAY-2005	9 = MONITORING IS CONDITIONAL/NOT REQ THIS MP									E0C MEASUR ONLY VIOLATI VIC
28-FEB-2005	9 = MONITORING IS CONDITIONAL/NOT REQ THIS MP									E0C MEASUR ONLY VIOLATI VIC

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPOES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>LIMIT TYPE</u>	5 = FINAL
<u>PIPE NUMBER</u>	001	<u>SEASON NUM</u>	0
<u>REPORT DESIGNATOR</u>	S	<u>PARAMETER CODE</u>	00335 = OXYGEN DEMAND, CHEM. (LOW LEVEL) (COD)
<u>PIPE SET QUALIFIER</u>	9	<u>MONITORING LOCATION</u>	1 = EFFLUENT GROSS VALUE
<u>MODIFICATION NUM</u>	0		

<u>MONITORING</u> <u>PERIOD END</u> <u>DATE</u>	<u>DISCHARGE</u> <u>IND</u>	<u>QTY</u> <u>MAXIMUM</u>	<u>QTY</u> <u>AVERAGE</u>	<u>CONC</u> <u>MAXIMUM</u>	<u>CONC</u> <u>AVERAGE</u>	<u>CONC</u> <u>MINIMUM</u>	<u>RNC</u> <u>DETECTION</u> <u>CODE</u>	<u>RNC</u> <u>DETECTION</u> <u>DATE</u>	<u>RNC</u> <u>RESOLUTION</u> <u>CODE</u>	<u>RNC</u> <u>RESOLUTION</u> <u>DATE</u>	<u>MEASURE</u> <u>VIOLATION</u> <u>CODE</u>
31-MAY-2006							N = RPT- NONRECEIPT OF DMR/CS RPT	31-MAY- 2006	1 = NC- UNRESOLVED RNC		E11 = MONIT ONLY, CON ABSENT COI ABS
30-NOV-2005				<10	<10						E00 = MEASUREME ONLY, NO VIOLATION M VIOL
31-MAY-2005				<10	<10						E00 = MEASUREME ONLY, NO VIOLATION M VIOL

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>LIMIT TYPE</u>	5 = FINAL
<u>PIPE NUMBER</u>	004	<u>SEASON NUM</u>	0
<u>REPORT DESIGNATOR</u>	M	<u>PARAMETER CODE</u>	00011 = TEMPERATURE, WATER DEG. FAHRENHEIT
<u>PIPE SET QUALIFIER</u>	9	<u>MONITORING LOCATION</u>	1 = EFFLUENT GROSS VALUE

<u>MODIFICATION NUM</u>	0		
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<u>MONITORING</u> <u>PERIOD END</u> <u>DATE</u>	<u>DISCHARGE</u> <u>IND</u>	<u>QTY</u> <u>MAXIMUM</u>	<u>QTY</u> <u>AVERAGE</u>	<u>CONC</u> <u>MAXIMUM</u>	<u>CONC</u> <u>AVERAGE</u>	<u>CONC</u> <u>MINIMUM</u>	<u>RNC</u> <u>DETECTION</u> <u>CODE</u>	<u>RNC</u> <u>DETECTION</u> <u>DATE</u>	<u>RNC</u> <u>RESOLUTION</u> <u>CODE</u>	<u>RNC</u> <u>RESOLUTION</u> <u>DATE</u>	<u>MEASUREMENT</u> <u>VIOLATION</u> <u>CODE</u>
30-JUN-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAY-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-APR-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAR-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
28-FEB-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-JAN-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-DEC-2005	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-NOV-2005	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-OCT-2005	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-SEP-2005	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-AUG-2005	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-JUL-2005	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO

<u>FACILITY NAME (1)</u>	ISOCHEM, INC	<u>NPDES</u>	NY0204323
<u>FACILITY NAME (2)</u>		<u>LIMIT TYPE</u>	5 = FINAL
<u>PIPE NUMBER</u>	004	<u>SEASON NUM</u>	0
<u>REPORT DESIGNATOR</u>	M	<u>PARAMETER CODE</u>	00056 = FLOW RATE
<u>PIPE SET QUALIFIER</u>	9	<u>MONITORING LOCATION</u>	1 = EFFLUENT GROSS VALUE
<u>MODIFICATION NUM</u>	0		

http://iaspub.epa.gov/enviro/pcs_det_reports_v2.pcs_tst?npdesid=NY0204323&npvalue=... 10/11/2012

31-JAN-2006	C = NO DISCHARGE									VIOLATION NO VIOL E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-DEC-2005	C = NO DISCHARGE									E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-NOV-2005	C = NO DISCHARGE									E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-OCT-2005	C = NO DISCHARGE									E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-SEP-2005	C = NO DISCHARGE									E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-AUG-2005	C = NO DISCHARGE									E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-JUL-2005	C = NO DISCHARGE									E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-JUN-2005	C = NO DISCHARGE									E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAY-2005	C = NO DISCHARGE									E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-APR-2005	C = NO DISCHARGE									E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAR-2005	C = NO DISCHARGE									E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
28-FEB-2005	C = NO DISCHARGE									E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
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<u>FACILITY NAME (2)</u>		<u>LIMIT TYPE</u>	5 = FINAL
<u>PIPE NUMBER</u>	004	<u>SEASON NUM</u>	0
<u>REPORT DESIGNATOR</u>	M	<u>PARAMETER CODE</u>	00400 = PH
<u>PIPE SET QUALIFIER</u>	9	<u>MONITORING LOCATION</u>	1 = EFFLUENT GROSS VALUE
<u>MODIFICATION NUM</u>	0		

<u>MONITORING PERIOD END DATE</u>	<u>DISCHARGE IND</u>	<u>QTY MAXIMUM</u>	<u>QTY AVERAGE</u>	<u>CONC MAXIMUM</u>	<u>CONC AVERAGE</u>	<u>CONC MINIMUM</u>	<u>RNC DETECTION CODE</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION CODE</u>	<u>RNC RESOLUTION DATE</u>	<u>MEASUREMENT VIOLATION CODE</u>
30-JUN-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAY-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-APR-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAR-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
28-FEB-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-JAN-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-DEC-2005	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-NOV-2005	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-OCT-2005	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-SEP-2005	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-AUG-2005	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL

MODIFICATION NUM	0		
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MONITORING PERIOD END DATE	DISCHARGE IND	QTY MAXIMUM	QTY AVERAGE	CONC MAXIMUM	CONC AVERAGE	CONC MINIMUM	RNC DETECTION CODE	RNC DETECTION DATE	RNC RESOLUTION CODE	RNC RESOLUTION DATE	MEASUREMENT VIOLATION CODE
31-MAY-2006	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
30-NOV-2005	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL
31-MAY-2005	C = NO DISCHARGE										E00 = MEASUREMENT ONLY, NO VIOLATION NO VIOL

Compliance Schedules and Violations

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)			

No Compliance Schedules Found.

Evidentiary Hearings

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)			

No PCS Evidentiary Hearing Information Found.

Pretreatment Inspections/Audits

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)			

No PCS Pretreatment Inspections Found.

Pretreatment Performance Summary

FACILITY NAME (1)	ISOCHEM, INC	NPDES	NY0204323
FACILITY NAME (2)			

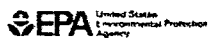
No PCS Pretreatment Performance Summary Information Found.

Note: You are viewing results from the historic data system, Permit Compliance System (PCS). The state reporting this data to EPA no longer reports the data to PCS, but rather reports the data to a modernized system, Integrated Compliance Information System (ICIS). Use the following button to view the latest data from ICIS. [Run a ICIS Search](#)

The data for the Permit Compliance System (PCS) is frozen in Envirofacts for the following states and territories as of the below listed dates:

- Frozen as of June 6th, 2006: MA,NH,RI,VI,PR,DC,MD,IN,NM,UT,HI,AK,ID
- Frozen as of August, 2008: AS,AT,CT,CZ,FM,GA,GB,GU,JA,MH,MP,MT,MW,NE,NI,NN,NV,NY,PA,PW,SD,SR,TT,UM
- Frozen as of April 24th, 2008: IL

- Frozen as of August 26th, 2008: AR, CA, CO, OK, TN, WI
- Frozen as of June 17th, 2009: TX, LA, GM, AL
- Frozen as of March 1st, 2012: DE

**Envirofacts
Search Results**

ICIS



ICIS Detailed Reports



This page was created on OCT-11-2012

Results are based on data extracted on OCT-11-2012

Note: You are viewing results from the modernized data system, Integrated Compliance Information System (ICIS). The state reporting this data to EPA previously reported the data to a historic data system, Permit Compliance System (PCS). Use the following button to view the historic data from PCS. [Run a PCS Search](#)

PCS-ICIS Links

- [Overview](#)
- [Search](#)
 - [Search User Guide](#)
- [Customized Search](#)
 - [Customized Search User Guide](#)
- [Operator Definition](#)
- [PCS Model](#)
- [ICIS Model](#)
- [Law](#)
- [Contact Us](#)
- [Office of Wastewater Management Home](#)

**Report
an
Error****Facility**

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL INC	<u>NPDES</u>	NYR00F095
<u>STREET 1</u>	1 NORTH TRANSIT ROAD	<u>SIC CODE</u>	2869 = Industrial Organic Chemicals
<u>CITY</u>		<u>MAJOR / MINOR</u>	
<u>COUNTY NAME</u>	Niagara	<u>TYPE OF OWNERSHIP</u>	Corporation
<u>STATE</u>	NY	<u>ACTIVITY STATUS</u>	Admin Continued
<u>ZIP CODE</u>	14094-2323	<u>INACTIVE DATE</u>	
<u>REGION</u>	Region 2	<u>TYPE OF PERMIT ISSUED</u>	General Permit Covered Facility
<u>LATITUDE</u>	+43.183944	<u>ORIGINAL PERMIT ISSUE DATE</u>	27-DEC-2006
<u>LONGITUDE</u>	-78.697694	<u>PERMIT ISSUED DATE</u>	27-DEC-2006
<u>LAT/LON CODE OF ACCURACY</u>	5	<u>PERMIT EXPIRED DATE</u>	31-MAR-2012
<u>LAT/LON METHOD</u>	Interpolation-Map		
<u>LAT/LON SCALE</u>	24000	<u>USGS HYDRO BASIN CODE</u>	
<u>LAT/LON DATUM</u>	NAD83	<u>FLOW</u>	
<u>RECEIVING WATERS</u>		<u>FEDERAL GRANT IND</u>	
<u>PRETREATMENT CODE</u>		<u>SLUDGE CLASS FAC IND</u>	NON-POTW
<u>MAILING NAME</u>		<u>SLUDGE RELATED PERMIT NUM</u>	
<u>MAILING STREET (1)</u>		<u>ANNUAL DRY SLUDGE PROD</u>	
<u>MAILING STREET (2)</u>			
<u>MAILING CITY</u>			
<u>MAILING STATE</u>			
<u>MAILING ZIP CODE</u>			
<u>COGNIZANT OFFICIAL</u>		<u>COGNIZANT OFFICIAL TEL</u>	

Activity

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL INC	<u>NPDES</u>	NYR00F095
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<u>ACTIVITY NAME</u>	<u>ACTIVITY TYPE DESCRIPTION</u>	<u>ACTIVITY STATUS DESCRIPTION</u>	<u>ACTIVITY STATUS DATE</u>	<u>ACTUAL BEGIN DATE</u>	<u>ACTUAL END DATE</u>
	Permit	Active	15-FEB-2012		

Contacts

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL INC	<u>NPDES</u>	NYR00F095
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No Contacts Found.

Permit Tracking

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL INC	<u>NPDES</u>	NYR00F095
<u>PERMIT ISSUED BY</u>	NYSDEC	<u>ORIGINAL DATE OF ISSUE</u>	27-DEC-2006
<u>PERMIT ISSUED DATE</u>	27-DEC-2006	<u>PERMIT EXPIRED DATE</u>	31-MAR-2012
<u>EFFECTIVE DATE</u>	01-APR-2007	<u>RETIREMENT DATE</u>	

Permit Tracking Events:

<u>EVENT DESCRIPTION</u>	<u>EVENT DATE</u>
Permit Continued	01-APR-2012
Permit Expiration	31-MAR-2012
Application/NOI Reviewed	15-FEB-2012
Application/NOI Received	09-FEB-2012
Permit Effective	01-APR-2007
Permit Issued	27-DEC-2006

Inspections

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL INC	<u>NPDES</u>	NYR00F095
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No Inspections Found.

Outfalls/Pipe Schedules

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL INC	<u>NPDES</u>	NYR00F095
<u>OUTFALL TYPE</u>		<u>PIPE NUMBER</u>	
<u>ACTIVITY STATUS</u>		<u>REPORT DESIGNATOR</u>	
<u>LATITUDE</u>		<u>LONGITUDE</u>	
<u>LAT/LON ACCURACY</u>		<u>LAT/LON METHOD</u>	
<u>LAT/LON SCALE</u>		<u>LAT/LON DATUM</u>	
<u>INACTIVE DATE</u>		<u>USGS HYDRO BASIN CODE</u>	
<u>INIT DMR DUE DATE</u>		<u>SUBMISSION UNITS</u>	
<u>PIPE DESCRIPTION</u>		<u>UNITS IN SUBM. PERIOD</u>	
<u>INIT REPORTING DATE</u>		<u>REPORTING UNITS</u>	
<u>UNITS IN REPORTING PERIOD</u>		<u>DMR COMMENT</u>	

Limits Report

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL INC	<u>NPDES</u>	NYR00F095
<u>PIPE NUMBER</u>			
<u>PIPE DESCRIPTION</u>		<u>REPORT DESIGNATOR</u>	
<u>DMR COMMENT</u>		<u>LIMIT SET TYPE</u>	

No ICIS Limits Report Found.

[http://iaspub.epa.gov/enviro/ICIS_DETAIL_REPORTS_NPDESID.icis_tst?](http://iaspub.epa.gov/enviro/ICIS_DETAIL_REPORTS_NPDESID.icis_tst?npdesid=NYR00F095&npvalue=1&npvalue=13&npvalue=14&npvalue=3&npvalue=4&npvalue=5&npvalue=6&npvalue=13&npvalue=2&npvalue=7&npvalue=8&npvalue=11&npvalue=12)
[npdesid=NYR00F095&npvalue=1&npvalue=13&npvalue=14&npvalue=3&npvalue=4&npvalue=5&npvalue=6&npvalue=13&npvalue=2&npvalue=7&npvalue=8&npvalue=11&npvalue=12](#)

Measurements and Violations

FACILITY NAME (1)	VANDEMARK CHEMICAL INC	NPDES	NYR00F095
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No ICIS Measurements Information Found.

Compliance Schedules and Violations

FACILITY NAME (1)	VANDEMARK CHEMICAL INC	NPDES	NYR00F095
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No Compliance Schedules Found.

Pretreatment Inspections/Audits

FACILITY NAME (1)	VANDEMARK CHEMICAL INC	NPDES	NYR00F095
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No ICIS Pretreatment Inspections Found.

Pretreatment Performance Summary

FACILITY NAME (1)	VANDEMARK CHEMICAL INC	NPDES	NYR00F095
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No ICIS Pretreatment Performance Summary Information Found.

Note: You are viewing results from the modernized data system, Integrated Compliance Information System (ICIS). The state reporting this data to EPA previously reported the data to a historic data system, Permit Compliance System (PCS). Use the following button to view the historic data from PCS. [Run a PCS Search](#)

Last updated on Thursday, October 11, 2012



Envirofacts Search Results



ICIS Detailed Reports



This page was created on OCT-11-2012

Results are based on data extracted on OCT-11-2012

Note: You are viewing results from the modernized data system, Integrated Compliance Information System (ICIS). The state reporting this data to EPA previously reported the data to a historic data system, Permit Compliance System (PCS). Use the following button to view the historic data from PCS. [Run a PCS Search](#)

PCS-ICIS Links

- [Overview](#)
- [Search](#)
 - [Search User Guide](#)
- [Customized Search](#)
 - [Customized Search User Guide](#)
- [Operator Definition](#)
- [PCS Model](#)
- [ICIS Model](#)
- [Law](#)
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Facility

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>STREET 1</u>	1 NORTH TRANSIT ROAD	<u>SIC CODE</u>	9999 = Nonclassifiable Establishments
<u>CITY</u>	LOCKPORT	<u>MAJOR / MINOR</u>	
<u>COUNTY NAME</u>	Niagara	<u>TYPE OF OWNERSHIP</u>	Privately Owned Facility
<u>STATE</u>	NY	<u>ACTIVITY STATUS</u>	Expired
<u>ZIP CODE</u>	14094	<u>INACTIVE DATE</u>	
<u>REGION</u>	Region 2	<u>TYPE OF PERMIT ISSUED</u>	NPDES Individual Permit
<u>LATITUDE</u>	43.184167	<u>ORIGINAL PERMIT ISSUE DATE</u>	04-MAY-1990
<u>LONGITUDE</u>	-78.697278	<u>PERMIT ISSUED DATE</u>	01-FEB-2000
<u>LAT/LON CODE OF ACCURACY</u>	3	<u>PERMIT EXPIRED DATE</u>	31-JAN-2005
<u>LAT/LON METHOD</u>	Interpolation-Map		
<u>LAT/LON SCALE</u>	24000	<u>USGS HYDRO BASIN CODE</u>	
<u>LAT/LON DATUM</u>	NAD83	<u>FLOW</u>	
<u>RECEIVING WATERS</u>	EIGHTEEN MILE CK	<u>FEDERAL GRANT IND</u>	N
<u>PRETREATMENT CODE</u>		<u>SLUDGE CLASS FAC IND</u>	NON-POTW
<u>MAILING NAME</u>	VANDEMARK CHEMICAL, INC.	<u>SLUDGE RELATED PERMIT NUM</u>	
<u>MAILING STREET (1)</u>	VANDEMARK CHEMICAL, INC.	<u>ANNUAL DRY SLUDGE PROD</u>	
<u>MAILING STREET (2)</u>	1 NORTH TRANSIT ROAD		
<u>MAILING CITY</u>	LOCKPORT		
<u>MAILING STATE</u>	New York		
<u>MAILING ZIP CODE</u>	14094		
<u>COGNIZANT OFFICIAL</u>	MATTHEW BARMASSE	<u>COGNIZANT OFFICIAL TEL</u>	

Activity

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
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<u>ACTIVITY NAME</u>	<u>ACTIVITY TYPE DESCRIPTION</u>	<u>ACTIVITY STATUS DESCRIPTION</u>	<u>ACTIVITY STATUS DATE</u>	<u>ACTUAL BEGIN DATE</u>	<u>ACTUAL END DATE</u>
NPDES Permit (CWA)	Permit				
NPDES Permit (CWA)	Permit				
NPDES Permit (CWA)	Permit				
NPDES Permit (CWA)	Permit				
NPDES Permit (CWA)	Permit				
NPDES Permit (CWA)	Permit	Active	01-APR-2010		
NPDES Permit (CWA)	Permit	Active	01-APR-2010		
NPDES Permit (CWA)	Permit	Active	01-APR-2010		
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		03-DEC-1997		03-DEC-1997
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		03-DEC-1997		03-DEC-1997
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		03-DEC-1997		03-DEC-1997
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		31-AUG-1992		31-AUG-1992
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		31-AUG-1992		31-AUG-1992
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		31-AUG-1992		31-AUG-1992
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		13-DEC-1991		13-DEC-1991
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		13-DEC-1991		13-DEC-1991
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	Inspection/Evaluation		13-DEC-1991		13-DEC-1991
ISOCHEM, INC (Permit NY0204323) Reconnaissance	Inspection/Evaluation		02-AUG-1991		02-AUG-1991
ISOCHEM, INC (Permit NY0204323) Reconnaissance	Inspection/Evaluation		02-AUG-1991		02-AUG-1991
ISOCHEM, INC (Permit NY0204323) Reconnaissance	Inspection/Evaluation		02-AUG-1991		02-AUG-1991

Contacts

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
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No Contacts Found.

Permit Tracking

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PERMIT ISSUED BY</u>	NYSDEC	<u>ORIGINAL DATE OF ISSUE</u>	04-MAY-1990
<u>PERMIT ISSUED DATE</u>	05-MAR-2010	<u>PERMIT EXPIRED DATE</u>	31-MAR-2015
<u>EFFECTIVE DATE</u>	01-APR-2010	<u>RETIREMENT DATE</u>	

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PERMIT ISSUED BY</u>	NYSDEC	<u>ORIGINAL DATE OF ISSUE</u>	04-MAY-1990
<u>PERMIT ISSUED DATE</u>	01-SEP-2004	<u>PERMIT EXPIRED DATE</u>	01-FEB-2010

EFFECTIVE DATE	01-FEB-2005	RETIREMENT DATE	31-MAR-2010
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FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PERMIT ISSUED BY		ORIGINAL DATE OF ISSUE	04-MAY-1990
PERMIT ISSUED DATE	01-FEB-2000	PERMIT EXPIRED DATE	31-JAN-2005
EFFECTIVE DATE	01-FEB-2000	RETIREMENT DATE	

Permit Tracking Events:

EVENT DESCRIPTION	EVENT DATE
Permit Expiration	31-MAR-2015
Permit Effective	01-APR-2010
Permit Retired	31-MAR-2010
Permit Issued	05-MAR-2010
Permit Reissued	05-MAR-2010
Permit Continued	02-FEB-2010
Permit Expiration	01-FEB-2010
Permit Reissued	01-FEB-2005
Permit Effective	01-FEB-2005
Permit Expiration	31-JAN-2005
Permit Issued	01-SEP-2004
Permit Effective	01-FEB-2000
Permit Issued	01-FEB-2000

Inspections

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
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INSPECTION TYPE	DATE OF INSPECTION	INSPECTION PERFORMED BY
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	03-DEC-1997	State
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	03-DEC-1997	State
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	03-DEC-1997	State
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	31-AUG-1992	State
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	31-AUG-1992	State
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	31-AUG-1992	State
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	13-DEC-1991	State
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	13-DEC-1991	State
ISOCHEM, INC (Permit NY0204323) Compliance Eval (Non-Sampling)	13-DEC-1991	State
ISOCHEM, INC (Permit NY0204323) Reconnaissance	02-AUG-1991	State
ISOCHEM, INC (Permit NY0204323) Reconnaissance	02-AUG-1991	State
ISOCHEM, INC (Permit NY0204323) Reconnaissance	02-AUG-1991	State

Outfalls/Pipe Schedules

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	001
ACTIVITY STATUS	A	REPORT DESIGNATOR	M

<u>LATITUDE</u>	43.183583	<u>LONGITUDE</u>	-78.696861
<u>LAT/LON ACCURACY</u>	3	<u>LAT/LON METHOD</u>	Interpolation-Map
<u>LAT/LON SCALE</u>	24000	<u>LAT/LON DATUM</u>	NAD83
<u>INACTIVE DATE</u>		<u>USGS HYDRO BASIN CODE</u>	
<u>INIT DMR DUE DATE</u>	28-MAR-00	<u>SUBMISSION UNITS</u>	Monthly
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER	<u>UNITS IN SUBM. PERIOD</u>	
<u>INIT REPORTING DATE</u>	01-FEB-00	<u>REPORTING UNITS</u>	Monthly
<u>UNITS IN REPORTING PERIOD</u>		<u>DMR COMMENT</u>	

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>OUTFALL TYPE</u>	External Outfall	<u>PIPE NUMBER</u>	001
<u>ACTIVITY STATUS</u>	A	<u>REPORT DESIGNATOR</u>	Q
<u>LATITUDE</u>	43.183583	<u>LONGITUDE</u>	-78.696861
<u>LAT/LON ACCURACY</u>	3	<u>LAT/LON METHOD</u>	Interpolation-Map
<u>LAT/LON SCALE</u>	24000	<u>LAT/LON DATUM</u>	NAD83
<u>INACTIVE DATE</u>		<u>USGS HYDRO BASIN CODE</u>	
<u>INIT DMR DUE DATE</u>	28-JUN-05	<u>SUBMISSION UNITS</u>	Monthly
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER QTR	<u>UNITS IN SUBM. PERIOD</u>	
<u>INIT REPORTING DATE</u>	01-MAR-05	<u>REPORTING UNITS</u>	Monthly
<u>UNITS IN REPORTING PERIOD</u>		<u>DMR COMMENT</u>	MONITORING LOCATION 7 IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIOD ENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN. FOR AMOUNTS BELOW DETECTION LIMIT PLEASE ENTER THE MDL PRECEDED BY THE < SYMBOL.

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>OUTFALL TYPE</u>	External Outfall	<u>PIPE NUMBER</u>	001
<u>ACTIVITY STATUS</u>	A	<u>REPORT DESIGNATOR</u>	M
<u>LATITUDE</u>	43.183583	<u>LONGITUDE</u>	-78.696861
<u>LAT/LON ACCURACY</u>	3	<u>LAT/LON METHOD</u>	Interpolation-Map
<u>LAT/LON SCALE</u>	24000	<u>LAT/LON DATUM</u>	NAD83
<u>INACTIVE DATE</u>		<u>USGS HYDRO BASIN CODE</u>	
<u>INIT DMR DUE DATE</u>	28-MAR-05	<u>SUBMISSION UNITS</u>	Monthly
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER	<u>UNITS IN SUBM. PERIOD</u>	
<u>INIT REPORTING DATE</u>	01-FEB-05	<u>REPORTING UNITS</u>	Monthly
<u>UNITS IN REPORTING PERIOD</u>		<u>DMR COMMENT</u>	

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>OUTFALL TYPE</u>	External Outfall	<u>PIPE NUMBER</u>	001
<u>ACTIVITY STATUS</u>	A	<u>REPORT DESIGNATOR</u>	Q
<u>LATITUDE</u>	43.183583	<u>LONGITUDE</u>	-78.696861
<u>LAT/LON ACCURACY</u>	3	<u>LAT/LON METHOD</u>	Interpolation-Map
<u>LAT/LON SCALE</u>	24000	<u>LAT/LON DATUM</u>	NAD83

<u>INACTIVE DATE</u>		<u>USGS HYDRO BASIN CODE</u>	
<u>INIT DMR DUE DATE</u>	28-JUN-00	<u>SUBMISSION UNITS</u>	Monthly
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER QTR	<u>UNITS IN SUBM. PERIOD</u>	
<u>INIT REPORTING DATE</u>	01-MAR-00	<u>REPORTING UNITS</u>	Monthly
<u>UNITS IN REPORTING PERIOD</u>		<u>DMR COMMENT</u>	MONITORING LOCATION 7 IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIOD ENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN. FOR AMOUNTS BELOW DETECTION LIMIT PLEASE ENTER THE MDL PRECEDED BY THE < SYMBOL.

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>OUTFALL TYPE</u>	External Outfall	<u>PIPE NUMBER</u>	001
<u>ACTIVITY STATUS</u>	A	<u>REPORT DESIGNATOR</u>	S
<u>LATITUDE</u>	43.183583	<u>LONGITUDE</u>	-78.696861
<u>LAT/LON ACCURACY</u>	3	<u>LAT/LON METHOD</u>	Interpolation-Map
<u>LAT/LON SCALE</u>	24000	<u>LAT/LON DATUM</u>	NAD83
<u>INACTIVE DATE</u>		<u>USGS HYDRO BASIN CODE</u>	
<u>INIT DMR DUE DATE</u>	28-JUN-10	<u>SUBMISSION UNITS</u>	Monthly
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER SEMI	<u>UNITS IN SUBM. PERIOD</u>	
<u>INIT REPORTING DATE</u>	01-DEC-09	<u>REPORTING UNITS</u>	Monthly
<u>UNITS IN REPORTING PERIOD</u>		<u>DMR COMMENT</u>	

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>OUTFALL TYPE</u>	External Outfall	<u>PIPE NUMBER</u>	001
<u>ACTIVITY STATUS</u>	A	<u>REPORT DESIGNATOR</u>	S
<u>LATITUDE</u>	43.183583	<u>LONGITUDE</u>	-78.696861
<u>LAT/LON ACCURACY</u>	3	<u>LAT/LON METHOD</u>	Interpolation-Map
<u>LAT/LON SCALE</u>	24000	<u>LAT/LON DATUM</u>	NAD83
<u>INACTIVE DATE</u>		<u>USGS HYDRO BASIN CODE</u>	
<u>INIT DMR DUE DATE</u>	28-DEC-00	<u>SUBMISSION UNITS</u>	Monthly
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER SEMI	<u>UNITS IN SUBM. PERIOD</u>	
<u>INIT REPORTING DATE</u>	01-JUN-00	<u>REPORTING UNITS</u>	Monthly
<u>UNITS IN REPORTING PERIOD</u>		<u>DMR COMMENT</u>	ENTER 'NODI 9' IN THE QUANTITY AVERAGE COLUMN FOR AMOUNTS BELOW THE DETECTION LIMIT OR ARE UNQUANTIFIABLE

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>OUTFALL TYPE</u>	External Outfall	<u>PIPE NUMBER</u>	001
<u>ACTIVITY STATUS</u>	A	<u>REPORT DESIGNATOR</u>	M
<u>LATITUDE</u>	43.183583	<u>LONGITUDE</u>	-78.696861
<u>LAT/LON ACCURACY</u>	3	<u>LAT/LON METHOD</u>	Interpolation-Map
<u>LAT/LON SCALE</u>	24000	<u>LAT/LON DATUM</u>	NAD83
<u>INACTIVE DATE</u>		<u>USGS HYDRO BASIN CODE</u>	
<u>INIT DMR DUE DATE</u>	28-MAY-10	<u>SUBMISSION UNITS</u>	Monthly
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER	<u>UNITS IN SUBM. PERIOD</u>	

<u>INIT REPORTING DATE</u>	01-APR-10	<u>REPORTING UNITS</u>	Monthly
<u>UNITS IN REPORTING PERIOD</u>		<u>DMR COMMENT</u>	

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>OUTFALL TYPE</u>	External Outfall	<u>PIPE NUMBER</u>	001
<u>ACTIVITY STATUS</u>	A	<u>REPORT DESIGNATOR</u>	Q
<u>LATITUDE</u>	43.183583	<u>LONGITUDE</u>	-78.696861
<u>LAT/LON ACCURACY</u>	3	<u>LAT/LON METHOD</u>	Interpolation-Map
<u>LAT/LON SCALE</u>	24000	<u>LAT/LON DATUM</u>	NAD83
<u>INACTIVE DATE</u>		<u>USGS HYDRO BASIN CODE</u>	
<u>INIT DMR DUE DATE</u>	28-JUN-10	<u>SUBMISSION UNITS</u>	Monthly
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER QTR	<u>UNITS IN SUBM. PERIOD</u>	
<u>INIT REPORTING DATE</u>	01-MAR-10	<u>REPORTING UNITS</u>	Monthly
<u>UNITS IN REPORTING PERIOD</u>		<u>DMR COMMENT</u>	MONITORING LOCATION 7 IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIOD ENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.FOR AMOUNTS BELOW DETECTION LIMIT PLEASE ENTER THE MDL PRECEDED BY THE < SYMBOL.

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>OUTFALL TYPE</u>	External Outfall	<u>PIPE NUMBER</u>	001
<u>ACTIVITY STATUS</u>	A	<u>REPORT DESIGNATOR</u>	S
<u>LATITUDE</u>	43.183583	<u>LONGITUDE</u>	-78.696861
<u>LAT/LON ACCURACY</u>	3	<u>LAT/LON METHOD</u>	Interpolation-Map
<u>LAT/LON SCALE</u>	24000	<u>LAT/LON DATUM</u>	NAD83
<u>INACTIVE DATE</u>		<u>USGS HYDRO BASIN CODE</u>	
<u>INIT DMR DUE DATE</u>	28-DEC-05	<u>SUBMISSION UNITS</u>	Monthly
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER SEMI	<u>UNITS IN SUBM. PERIOD</u>	
<u>INIT REPORTING DATE</u>	01-JUN-05	<u>REPORTING UNITS</u>	Monthly
<u>UNITS IN REPORTING PERIOD</u>		<u>DMR COMMENT</u>	

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>OUTFALL TYPE</u>	External Outfall	<u>PIPE NUMBER</u>	004
<u>ACTIVITY STATUS</u>	A	<u>REPORT DESIGNATOR</u>	Q
<u>LATITUDE</u>	43.183944	<u>LONGITUDE</u>	-78.697972
<u>LAT/LON ACCURACY</u>	3	<u>LAT/LON METHOD</u>	Interpolation-Map
<u>LAT/LON SCALE</u>	24000	<u>LAT/LON DATUM</u>	NAD83
<u>INACTIVE DATE</u>		<u>USGS HYDRO BASIN CODE</u>	
<u>INIT DMR DUE DATE</u>	28-JUN-10	<u>SUBMISSION UNITS</u>	Monthly
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER QTR	<u>UNITS IN SUBM. PERIOD</u>	
<u>INIT REPORTING DATE</u>	01-MAR-10	<u>REPORTING UNITS</u>	Monthly
<u>UNITS IN REPORTING PERIOD</u>		<u>DMR COMMENT</u>	MONITORING LOCATION '7' IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIOD,ENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	004
ACTIVITY STATUS	A	REPORT DESIGNATOR	Q
LATITUDE	43.183944	LONGITUDE	-78.697972
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	28-JUN-00	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT COOLING WATER QTR	UNITS IN SUBM. PERIOD	
INIT REPORTING DATE	01-MAR-00	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	MONITORING LOCATION '7' IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIOD, ENTER 'NODI 9' IN THE QUANTITY AVERAGE COLUMN. ENTER 'NODI B' IN THE QUANTITY AVERAGE COLUMN FOR AMOUNTS BELOW THE LIMIT OF DETECTION/ UNQUANTIFIABLE.

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	004
ACTIVITY STATUS	A	REPORT DESIGNATOR	M
LATITUDE	43.183944	LONGITUDE	-78.697972
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	28-MAY-10	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT COOLING WATER	UNITS IN SUBM. PERIOD	
INIT REPORTING DATE	01-APR-10	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	004
ACTIVITY STATUS	A	REPORT DESIGNATOR	S
LATITUDE	43.183944	LONGITUDE	-78.697972
LAT/LON ACCURACY	3	LAT/LON METHOD	Interpolation-Map
LAT/LON SCALE	24000	LAT/LON DATUM	NAD83
INACTIVE DATE		USGS HYDRO BASIN CODE	
INIT DMR DUE DATE	28-DEC-05	SUBMISSION UNITS	Monthly
PIPE DESCRIPTION	NON-CONTACT COOLING WATER SEMI	UNITS IN SUBM. PERIOD	
INIT REPORTING DATE	01-JUN-05	REPORTING UNITS	Monthly
UNITS IN REPORTING PERIOD		DMR COMMENT	=====

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
OUTFALL TYPE	External Outfall	PIPE NUMBER	004

<u>ACTIVITY STATUS</u>	A	<u>REPORT DESIGNATOR</u>	S
<u>LATITUDE</u>	43.183944	<u>LONGITUDE</u>	-78.697972
<u>LAT/LON ACCURACY</u>	3	<u>LAT/LON METHOD</u>	Interpolation-Map
<u>LAT/LON SCALE</u>	24000	<u>LAT/LON DATUM</u>	NAD83
<u>INACTIVE DATE</u>		<u>USGS HYDRO BASIN CODE</u>	
<u>INIT DMR DUE DATE</u>	28-DEC-00	<u>SUBMISSION UNITS</u>	Monthly
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER SEMI	<u>UNITS IN SUBM. PERIOD</u>	
<u>INIT REPORTING DATE</u>	01-JUN-00	<u>REPORTING UNITS</u>	Monthly
<u>UNITS IN REPORTING PERIOD</u>		<u>DMR COMMENT</u>	ENTER 'NOD1 B' IN QUANTITY AVERAGE COLUMN FOR AMOUNTS BELOW THE DETECTION LIMIT OR ARE NON QUANTIFIABLE. =====

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>OUTFALL TYPE</u>	External Outfall	<u>PIPE NUMBER</u>	004
<u>ACTIVITY STATUS</u>	A	<u>REPORT DESIGNATOR</u>	M
<u>LATITUDE</u>	43.183944	<u>LONGITUDE</u>	-78.697972
<u>LAT/LON ACCURACY</u>	3	<u>LAT/LON METHOD</u>	Interpolation-Map
<u>LAT/LON SCALE</u>	24000	<u>LAT/LON DATUM</u>	NAD83
<u>INACTIVE DATE</u>		<u>USGS HYDRO BASIN CODE</u>	
<u>INIT DMR DUE DATE</u>	28-MAR-00	<u>SUBMISSION UNITS</u>	Monthly
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER	<u>UNITS IN SUBM. PERIOD</u>	
<u>INIT REPORTING DATE</u>	01-FEB-00	<u>REPORTING UNITS</u>	Monthly
<u>UNITS IN REPORTING PERIOD</u>		<u>DMR COMMENT</u>	

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>OUTFALL TYPE</u>	External Outfall	<u>PIPE NUMBER</u>	004
<u>ACTIVITY STATUS</u>	A	<u>REPORT DESIGNATOR</u>	M
<u>LATITUDE</u>	43.183944	<u>LONGITUDE</u>	-78.697972
<u>LAT/LON ACCURACY</u>	3	<u>LAT/LON METHOD</u>	Interpolation-Map
<u>LAT/LON SCALE</u>	24000	<u>LAT/LON DATUM</u>	NAD83
<u>INACTIVE DATE</u>		<u>USGS HYDRO BASIN CODE</u>	
<u>INIT DMR DUE DATE</u>	28-MAR-05	<u>SUBMISSION UNITS</u>	Monthly
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER	<u>UNITS IN SUBM. PERIOD</u>	
<u>INIT REPORTING DATE</u>	01-FEB-05	<u>REPORTING UNITS</u>	Monthly
<u>UNITS IN REPORTING PERIOD</u>		<u>DMR COMMENT</u>	

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>OUTFALL TYPE</u>	External Outfall	<u>PIPE NUMBER</u>	004
<u>ACTIVITY STATUS</u>	A	<u>REPORT DESIGNATOR</u>	S
<u>LATITUDE</u>	43.183944	<u>LONGITUDE</u>	-78.697972
<u>LAT/LON ACCURACY</u>	3	<u>LAT/LON METHOD</u>	Interpolation-Map
<u>LAT/LON SCALE</u>	24000	<u>LAT/LON DATUM</u>	NAD83
<u>INACTIVE DATE</u>		<u>USGS HYDRO BASIN CODE</u>	
<u>INIT DMR DUE DATE</u>	28-JUN-10	<u>SUBMISSION UNITS</u>	Monthly
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER SEMI	<u>UNITS IN SUBM. PERIOD</u>	
<u>INIT REPORTING DATE</u>	01-DEC-09	<u>REPORTING UNITS</u>	Monthly

<u>UNITS IN REPORTING PERIOD</u>	<u>DMR COMMENT</u>	=====
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<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>OUTFALL TYPE</u>	External Outfall	<u>PIPE NUMBER</u>	004
<u>ACTIVITY STATUS</u>	A	<u>REPORT DESIGNATOR</u>	Q
<u>LATITUDE</u>	43.183944	<u>LONGITUDE</u>	-78.697972
<u>LAT/LON ACCURACY</u>	3	<u>LAT/LON METHOD</u>	Interpolation-Map
<u>LAT/LON SCALE</u>	24000	<u>LAT/LON DATUM</u>	NAD83
<u>INACTIVE DATE</u>		<u>USGS HYDRO BASIN CODE</u>	
<u>INIT DMR DUE DATE</u>	28-JUN-05	<u>SUBMISSION UNITS</u>	Monthly
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER QTR	<u>UNITS IN SUBM. PERIOD</u>	
<u>INIT REPORTING DATE</u>	01-MAR-05	<u>REPORTING UNITS</u>	Monthly
<u>UNITS IN REPORTING PERIOD</u>		<u>DMR COMMENT</u>	MONITORING LOCATION '7' IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIOD,ENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.

Limits Report

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PIPE NUMBER</u>	001		
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER QTR	<u>REPORT DESIGNATOR</u>	Q
<u>DMR COMMENT</u>	MONITORING LOCATION 7 IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIOD ENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.FOR AMOUNTS BELOW DETECTION LIMIT PLEASE ENTER THE MDL PRECEDED BY THE < SYMBOL.	<u>LIMIT SET TYPE</u>	Scheduled

<u>LIMIT TYPE DESCRIPTION</u>	<u>PARAMETER DESCRIPTION</u>	<u>MONITORING LOCATION</u>	<u>SEASON NUM</u>	<u>LIMIT BEGIN DATE</u>	<u>LIMIT END DATE</u>	<u>CHANGE OF LIMIT STATUS</u>	<u>STAY TYPE DESCRIPTION</u>	<u>DOCKET NUMBER</u>	<u>LONG FORMAT</u>
Enforceable	Solids, total suspended	Intake from Stream	0	01-FEB-2005	01-FEB-2010				No
Enforceable	Solids, total suspended	Effluent Gross	0	01-FEB-2005	01-FEB-2010				No

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PIPE NUMBER</u>	001		
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER QTR	<u>REPORT DESIGNATOR</u>	Q
<u>DMR COMMENT</u>	MONITORING LOCATION 7 IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIOD ENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.FOR AMOUNTS BELOW DETECTION LIMIT PLEASE ENTER THE MDL PRECEDED BY THE < SYMBOL.	<u>LIMIT SET TYPE</u>	Scheduled

<u>LIMIT TYPE DESCRIPTION</u>	<u>PARAMETER DESCRIPTION</u>	<u>MONITORING LOCATION</u>	<u>SEASON NUM</u>	<u>LIMIT BEGIN DATE</u>	<u>LIMIT END DATE</u>	<u>CHANGE OF LIMIT STATUS</u>	<u>STAY TYPE DESCRIPTION</u>	<u>DOCKET NUMBER</u>	<u>LONG FORMAT</u>
Enforceable	Solids, total suspended	Intake from Stream	0	01-FEB-2000	31-JAN-2005				No
Enforceable	Solids, total suspended	Effluent Gross	0	01-FEB-2000	31-JAN-2005				No

<u>FACILITY NAME</u> (1)	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PIPE NUMBER</u>	001		
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER QTR	<u>REPORT DESIGNATOR</u>	Q
<u>DMR COMMENT</u>	MONITORING LOCATION 7 IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIOD ENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.FOR AMOUNTS BELOW DETECTION LIMIT PLEASE ENTER THE MDL PRECEDED BY THE < SYMBOL.	<u>LIMIT SET TYPE</u>	Scheduled

<u>LIMIT TYPE DESCRIPTION</u>	<u>PARAMETER DESCRIPTION</u>	<u>MONITORING LOCATION</u>	<u>SEASON NUM</u>	<u>LIMIT BEGIN DATE</u>	<u>LIMIT END DATE</u>	<u>CHANGE OF LIMIT STATUS</u>	<u>STAY TYPE DESCRIPTION</u>	<u>DOCKET NUMBER</u>	<u>LONG FORMAT</u>
Enforceable	Solids, total suspended	Effluent Gross	0	01-APR-2010	31-MAR-2015				No
Enforceable	Solids, total suspended	Intake from Stream	0	01-APR-2010	31-MAR-2015				No

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PIPE NUMBER</u>	001		
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER SEMI	<u>REPORT DESIGNATOR</u>	S
<u>DMR COMMENT</u>		<u>LIMIT SET TYPE</u>	Scheduled

<u>LIMIT TYPE DESCRIPTION</u>	<u>PARAMETER DESCRIPTION</u>	<u>MONITORING LOCATION</u>	<u>SEASON NUM</u>	<u>LIMIT BEGIN DATE</u>	<u>LIMIT END DATE</u>	<u>CHANGE OF LIMIT STATUS</u>	<u>STAY TYPE DESCRIPTION</u>	<u>DOCKET NUMBER</u>	<u>LONG FORMAT</u>
Enforceable	Oxygen demand, chem. (low level) (COD)	Effluent Gross	0	01-FEB-2005	01-FEB-2010				No

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PIPE NUMBER</u>	001		
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER	<u>REPORT DESIGNATOR</u>	M
<u>DMR COMMENT</u>		<u>LIMIT SET TYPE</u>	Scheduled

<u>LIMIT TYPE DESCRIPTION</u>	<u>PARAMETER DESCRIPTION</u>	<u>MONITORING LOCATION</u>	<u>SEASON NUM</u>	<u>LIMIT BEGIN DATE</u>	<u>LIMIT END DATE</u>	<u>CHANGE OF LIMIT STATUS</u>	<u>STAY TYPE DESCRIPTION</u>	<u>DOCKET NUMBER</u>	<u>LONG FORMAT</u>
Enforceable	Flow rate	Effluent Gross	0	01-APR-2010	31-MAR-2015				No
Enforceable	Temperature, water deg. fahrenheit	Effluent Gross	0	01-APR-2010	31-MAR-2015				No
Enforceable	pH	Effluent Gross	0	01-APR-2010	31-MAR-2015				No

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PIPE NUMBER</u>	001		
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER SEMI	<u>REPORT DESIGNATOR</u>	S
<u>DMR COMMENT</u>		<u>LIMIT SET TYPE</u>	Scheduled

<u>LIMIT TYPE DESCRIPTION</u>	<u>PARAMETER DESCRIPTION</u>	<u>MONITORING LOCATION</u>	<u>SEASON NUM</u>	<u>LIMIT BEGIN DATE</u>	<u>LIMIT END DATE</u>	<u>CHANGE OF LIMIT STATUS</u>	<u>STAY TYPE DESCRIPTION</u>	<u>DOCKET NUMBER</u>	<u>LONG FORMAT</u>
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Enforceable	Oxygen demand, chem. (low level) (COD)	Effluent Gross	0	01-APR-2010	31-MAR-2015			No
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<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PIPE NUMBER</u>	001		
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER SEMI	<u>REPORT DESIGNATOR</u>	S
<u>DMR COMMENT</u>	ENTER 'NODI 9' IN THE QUANTITY AVERAGE COLUMN FOR AMOUNTS BELOW THE DETECTION LIMIT OR ARE UNQUANTIFIABLE	<u>LIMIT SET TYPE</u>	Scheduled

<u>LIMIT TYPE DESCRIPTION</u>	<u>PARAMETER DESCRIPTION</u>	<u>MONITORING LOCATION</u>	<u>SEASON NUM</u>	<u>LIMIT BEGIN DATE</u>	<u>LIMIT END DATE</u>	<u>CHANGE OF LIMIT STATUS</u>	<u>STAY TYPE DESCRIPTION</u>	<u>DOCKET NUMBER</u>	<u>LONG FORMAT</u>
Enforceable	Oxygen demand, chem. (low level) (COD)	Effluent Gross	0	01-FEB-2000	31-JAN-2005				No

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PIPE NUMBER</u>	001		
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER	<u>REPORT DESIGNATOR</u>	M
<u>DMR COMMENT</u>		<u>LIMIT SET TYPE</u>	Scheduled

<u>LIMIT TYPE DESCRIPTION</u>	<u>PARAMETER DESCRIPTION</u>	<u>MONITORING LOCATION</u>	<u>SEASON NUM</u>	<u>LIMIT BEGIN DATE</u>	<u>LIMIT END DATE</u>	<u>CHANGE OF LIMIT STATUS</u>	<u>STAY TYPE DESCRIPTION</u>	<u>DOCKET NUMBER</u>	<u>LONG FORMAT</u>
Enforceable	Flow rate	Effluent Gross	0	01-FEB-2005	01-FEB-2010				No
Enforceable	Temperature, water deg. fahrenheit	Effluent Gross	0	01-FEB-2005	01-FEB-2010				No
Enforceable	pH	Effluent Gross	0	01-FEB-2005	01-FEB-2010				No

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PIPE NUMBER</u>	001		
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER	<u>REPORT DESIGNATOR</u>	M
<u>DMR COMMENT</u>		<u>LIMIT SET TYPE</u>	Scheduled

<u>LIMIT TYPE DESCRIPTION</u>	<u>PARAMETER DESCRIPTION</u>	<u>MONITORING LOCATION</u>	<u>SEASON NUM</u>	<u>LIMIT BEGIN DATE</u>	<u>LIMIT END DATE</u>	<u>CHANGE OF LIMIT STATUS</u>	<u>STAY TYPE DESCRIPTION</u>	<u>DOCKET NUMBER</u>	<u>LONG FORMAT</u>
Enforceable	Flow rate	Effluent Gross	0	01-FEB-2000	31-JAN-2005				No
Enforceable	Temperature, water deg. fahrenheit	Effluent Gross	0	01-FEB-2000	31-JAN-2005				No
Enforceable	pH	Effluent Gross	0	01-FEB-2000	31-JAN-2005				No

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PIPE NUMBER</u>	004		
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER QTR	<u>REPORT DESIGNATOR</u>	Q

<u>DMR COMMENT</u>	MONITORING LOCATION '7' IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIOD, ENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.	<u>LIMIT SET TYPE</u>	Scheduled
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<u>LIMIT TYPE DESCRIPTION</u>	<u>PARAMETER DESCRIPTION</u>	<u>MONITORING LOCATION</u>	<u>SEASON NUM</u>	<u>LIMIT BEGIN DATE</u>	<u>LIMIT END DATE</u>	<u>CHANGE OF LIMIT STATUS</u>	<u>STAY TYPE DESCRIPTION</u>	<u>DOCKET NUMBER</u>	<u>LONG FORMAT</u>
Enforceable	Solids, total suspended	Intake from Stream	0	01-FEB-2005	01-FEB-2010				No
Enforceable	Solids, total suspended	Effluent Gross	0	01-FEB-2005	01-FEB-2010				No

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PIPE NUMBER</u>	004		
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER QTR	<u>REPORT DESIGNATOR</u>	Q
<u>DMR COMMENT</u>	MONITORING LOCATION '7' IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIOD, ENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN. ENTER 'NODI 8' IN THE QUANTITY AVERAGE COLUMN FOR AMOUNTS BELOW THE LIMIT OF DETECTION/ UNQUANTIFIABLE.	<u>LIMIT SET TYPE</u>	Scheduled

<u>LIMIT TYPE DESCRIPTION</u>	<u>PARAMETER DESCRIPTION</u>	<u>MONITORING LOCATION</u>	<u>SEASON NUM</u>	<u>LIMIT BEGIN DATE</u>	<u>LIMIT END DATE</u>	<u>CHANGE OF LIMIT STATUS</u>	<u>STAY TYPE DESCRIPTION</u>	<u>DOCKET NUMBER</u>	<u>LONG FORMAT</u>
Enforceable	Solids, total suspended	Effluent Gross	0	01-FEB-2000	31-JAN-2005				No
Enforceable	Solids, total suspended	Intake from Stream	0	01-FEB-2000	31-JAN-2005				No

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PIPE NUMBER</u>	004		
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER	<u>REPORT DESIGNATOR</u>	M
<u>DMR COMMENT</u>		<u>LIMIT SET TYPE</u>	Scheduled

<u>LIMIT TYPE DESCRIPTION</u>	<u>PARAMETER DESCRIPTION</u>	<u>MONITORING LOCATION</u>	<u>SEASON NUM</u>	<u>LIMIT BEGIN DATE</u>	<u>LIMIT END DATE</u>	<u>CHANGE OF LIMIT STATUS</u>	<u>STAY TYPE DESCRIPTION</u>	<u>DOCKET NUMBER</u>	<u>LONG FORMAT</u>
Enforceable	Flow rate	Effluent Gross	0	01-APR-2010	31-MAR-2015				No
Enforceable	Temperature, water deg. fahrenheit	Effluent Gross	0	01-APR-2010	31-MAR-2015				No
Enforceable	pH	Effluent Gross	0	01-APR-2010	31-MAR-2015				No

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PIPE NUMBER</u>	004		
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER QTR	<u>REPORT DESIGNATOR</u>	Q
<u>DMR COMMENT</u>	MONITORING LOCATION '7' IS INTAKE FROM STREAM. IF NO INTAKE FROM STREAM DURING MONITORING PERIOD, ENTER "NODI 9" IN THE QUANTITY AVERAGE COLUMN.	<u>LIMIT SET TYPE</u>	Scheduled

<u>LIMIT TYPE DESCRIPTION</u>	<u>PARAMETER DESCRIPTION</u>	<u>MONITORING LOCATION</u>	<u>SEASON NUM</u>	<u>LIMIT BEGIN DATE</u>	<u>LIMIT END DATE</u>	<u>CHANGE OF LIMIT STATUS</u>	<u>STAY TYPE DESCRIPTION</u>	<u>DOCKET NUMBER</u>	<u>LONG FORMAT</u>
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Enforceable	Solids, total suspended	Effluent Gross	0	01-APR-2010	31-MAR-2015			No
Enforceable	Solids, total suspended	Intake from Stream	0	01-APR-2010	31-MAR-2015			No

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PIPE NUMBER</u>	004		
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER SEMI	<u>REPORT DESIGNATOR</u>	S
<u>DMR COMMENT</u>	=====	<u>LIMIT SET TYPE</u>	Scheduled

<u>LIMIT TYPE DESCRIPTION</u>	<u>PARAMETER DESCRIPTION</u>	<u>MONITORING LOCATION</u>	<u>SEASON NUM</u>	<u>LIMIT BEGIN DATE</u>	<u>LIMIT END DATE</u>	<u>CHANGE OF LIMIT STATUS</u>	<u>STAY TYPE DESCRIPTION</u>	<u>DOCKET NUMBER</u>	<u>LONG FORMAT</u>
Enforceable	Oxygen demand, chem. (low level) (COD)	Effluent Gross	0	01-FEB-2005	01-FEB-2010				No

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PIPE NUMBER</u>	004		
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER SEMI	<u>REPORT DESIGNATOR</u>	S
<u>DMR COMMENT</u>	ENTER 'NODI B' IN QUANTITY AVERAGE COLUMN FOR AMOUNTS BELOW THE DETECTION LIMIT OR ARE NON QUANTIFIABLE. =====	<u>LIMIT SET TYPE</u>	Scheduled

<u>LIMIT TYPE DESCRIPTION</u>	<u>PARAMETER DESCRIPTION</u>	<u>MONITORING LOCATION</u>	<u>SEASON NUM</u>	<u>LIMIT BEGIN DATE</u>	<u>LIMIT END DATE</u>	<u>CHANGE OF LIMIT STATUS</u>	<u>STAY TYPE DESCRIPTION</u>	<u>DOCKET NUMBER</u>	<u>LONG FORMAT</u>
Enforceable	Oxygen demand, chem. (low level) (COD)	Effluent Gross	0	01-FEB-2000	31-JAN-2005				No

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PIPE NUMBER</u>	004		
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER	<u>REPORT DESIGNATOR</u>	M
<u>DMR COMMENT</u>		<u>LIMIT SET TYPE</u>	Scheduled

<u>LIMIT TYPE DESCRIPTION</u>	<u>PARAMETER DESCRIPTION</u>	<u>MONITORING LOCATION</u>	<u>SEASON NUM</u>	<u>LIMIT BEGIN DATE</u>	<u>LIMIT END DATE</u>	<u>CHANGE OF LIMIT STATUS</u>	<u>STAY TYPE DESCRIPTION</u>	<u>DOCKET NUMBER</u>	<u>LONG FORMAT</u>
Enforceable	Flow rate	Effluent Gross	0	01-FEB-2000	31-JAN-2005				No
Enforceable	Temperature, water deg. fahrenheit	Effluent Gross	0	01-FEB-2000	31-JAN-2005				No
Enforceable	pH	Effluent Gross	0	01-FEB-2000	31-JAN-2005				No

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>PIPE NUMBER</u>	004		
<u>PIPE DESCRIPTION</u>	NON-CONTACT COOLING WATER	<u>REPORT DESIGNATOR</u>	M
<u>DMR COMMENT</u>		<u>LIMIT SET TYPE</u>	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Flow rate	Effluent Gross	0	01-FEB-2005	01-FEB-2010				No
Enforceable	Temperature, water deg. fahrenheit	Effluent Gross	0	01-FEB-2005	01-FEB-2010				No
Enforceable	pH	Effluent Gross	0	01-FEB-2005	01-FEB-2010				No

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
PIPE NUMBER	004		
PIPE DESCRIPTION	NON-CONTACT COOLING WATER SEMI	REPORT DESIGNATOR	S
DMR COMMENT	=====	LIMIT SET TYPE	Scheduled

LIMIT TYPE DESCRIPTION	PARAMETER DESCRIPTION	MONITORING LOCATION	SEASON NUM	LIMIT BEGIN DATE	LIMIT END DATE	CHANGE OF LIMIT STATUS	STAY TYPE DESCRIPTION	DOCKET NUMBER	LONG FORMAT
Enforceable	Oxygen demand, chem. (low level) (COD)	Effluent Gross	0	01-APR-2010	31-MAR-2015				No

Measurements and Violations

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	M
PARAMETER CODE	Flow rate	MONITORING LOCATION	Effluent Gross

MONITORING PERIOD END DATE	DMR VALUE DESCRIPTOR	DMR VALUE	DMR UNIT	LIMIT VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION DESCRIPTION	RNC DETECTION DESCRIPTION	RNC DETECTION DATE	RNC RESOLUTION DESCRIPTION
31-MAR-2010							No Discharge				
28-FEB-2010							No Discharge				
31-JAN-2010							No Discharge				
31-DEC-2009							No Discharge				
30-NOV-2009							No Discharge				
31-OCT-2009							No Discharge				
30-SEP-2009							No Discharge				
31-AUG-2009	Equals	2295									
31-JUL-2009	Equals	3693									
30-JUN-2009							No Discharge				
31-MAY-2009	Equals	5372									
31-MAY-2009	Equals	6044									

30-APR-2009					No Discharge			
31-MAR-2009					No Discharge			
28-FEB-2009					No Discharge			
31-JAN-2009					No Discharge			
31-DEC-2008	Equals	3250						
31-DEC-2008	Equals	1954						
30-NOV-2008					No Discharge			
31-OCT-2008					No Discharge			
30-SEP-2008					No Discharge			
31-AUG-2008					No Discharge			
31-JUL-2008					No Discharge			
30-JUN-2008					No Discharge			
31-MAY-2008					No Discharge			
30-APR-2008					No Discharge			
31-MAR-2008					No Discharge			
29-FEB-2008					No Discharge			
31-JAN-2008					No Discharge			
31-DEC-2007					No Discharge			
30-NOV-2007					No Discharge			
31-OCT-2007	Equals	4738						
31-OCT-2007	Equals	9005						
30-SEP-2007	Equals	3290						
31-AUG-2007					No Discharge			
31-JUL-2007					No Discharge			
30-JUN-2007					No Discharge			
31-MAY-2007					No Discharge			
30-APR-2007	Equals	11040						
30-APR-2007	Equals	6130						
31-MAR-2007					No Discharge			
28-FEB-2007					No Discharge			
31-JAN-2007					No Discharge			

31-DEC-2006					No Discharge			
30-NOV-2006					No Discharge			
31-OCT-2006	Equals				No Discharge			
30-SEP-2006	Equals				No Discharge			
31-AUG-2006	Equals				No Discharge			
31-JUL-2006	Equals				No Discharge			
30-JUN-2006					No Discharge			
31-MAY-2006					No Discharge			
30-APR-2006					No Discharge			
31-MAR-2006					No Discharge			
28-FEB-2006					No Discharge			
31-JAN-2006					No Discharge			
31-DEC-2005		780						
30-NOV-2005		6822						
30-NOV-2005		11117						
31-OCT-2005		49110						
31-OCT-2005		3761						
30-SEP-2005		110						
31-AUG-2005					No Discharge			
31-JUL-2005		4695						
31-JUL-2005		14010						
30-JUN-2005		11335						
30-JUN-2005		6235						
31-MAY-2005		4991						
31-MAY-2005		5225						
30-APR-2005		16480						
30-APR-2005		6562						
31-MAR-2005		5937						
31-MAR-2005		11030						
28-FEB-2005		8300						
28-FEB-2005		6144						

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	M
PARAMETER CODE	Flow rate	MONITORING LOCATION	Effluent Gross

<u>MONITORING</u> <u>PERIOD END</u> <u>DATE</u>	<u>DMR VALUE</u> <u>DESCRIPTOR</u>	<u>DMR</u> <u>VALUE</u>	<u>DMR</u> <u>UNIT</u>	<u>LIMIT</u> <u>VALUE</u>	<u>LIMIT VALUE</u> <u>DESCRIPTOR</u>	<u>UNIT</u> <u>DESCRIPTION</u>	<u>DISCHARGE</u> <u>IND</u>	<u>MEASUREMENT</u> <u>VIOLATION</u> <u>DESCRIPTION</u>	<u>RNC</u> <u>DETECTION</u> <u>DESCRIPTION</u>	<u>RNC</u> <u>DETECTION</u> <u>DATE</u>	<u>RNC</u> <u>RESOLUTION</u> <u>DESCRIPTION</u>
31-JAN-2005		5595									
31-JAN-2005		3864									
31-DEC-2004		1350									
31-DEC-2004		903									
30-NOV-2004		3522									
30-NOV-2004		3521									
31-OCT-2004							No Discharge				
30-SEP-2004							No Discharge				
31-AUG-2004							No Discharge				
31-JUL-2004		5256									
31-JUL-2004		17130									
30-JUN-2004		10507									
30-JUN-2004		14390									
31-MAY-2004							No Discharge				
30-APR-2004							No Discharge				
31-MAR-2004		5840									
29-FEB-2004							No Discharge				
31-JAN-2004							No Discharge				
31-DEC-2003		3173									
31-DEC-2003		7373									
30-NOV-2003		5376									
30-NOV-2003		3449									
31-OCT-2003		8330									
31-OCT-2003		5602									
30-SEP-2003							No Discharge				
31-AUG-2003							No Discharge				
31-JUL-2003		3550									
31-JUL-2003		4507									
30-JUN-2003							No Discharge				
31-MAY-2003							No Discharge				
30-APR-2003		6324									
30-APR-2003		8200									
31-MAR-2003		4564									
31-MAR-2003		9825									
28-FEB-2003		8645									
28-FEB-2003		24600									
31-JAN-2003		9470									

31-JAN-2003	7387						
31-DEC-2002	6173						
31-DEC-2002	25634						
30-NOV-2002	6						
30-NOV-2002	160						
31-OCT-2002					No Discharge		
30-SEP-2002					No Discharge		
31-AUG-2002					No Discharge		
31-JUL-2002	87						
31-JUL-2002	2340						
30-JUN-2002	440						
30-JUN-2002	11450						
31-MAY-2002	2969						
31-MAY-2002	55770						
30-APR-2002	4691						
30-APR-2002	28510						
31-MAR-2002					No Discharge		
28-FEB-2002					No Discharge		
31-JAN-2002					No Discharge		
31-DEC-2001					No Discharge		
30-NOV-2001					No Discharge		
31-OCT-2001					No Discharge		
30-SEP-2001					No Discharge		
31-AUG-2001					No Discharge		
31-JUL-2001					No Discharge		
30-JUN-2001					No Discharge		
31-MAY-2001					No Discharge		
30-APR-2001					No Discharge		
31-MAR-2001	4						
31-MAR-2001	120						
28-FEB-2001	6114						
28-FEB-2001	49820						
31-JAN-2001	14910						
31-JAN-2001	6482						
31-DEC-2000	5797						
31-DEC-2000	22690						
30-NOV-2000	2302						

30-NOV-2000		31430									
31-OCT-2000							No Discharge				
30-SEP-2000		3907									
30-SEP-2000		52240									
31-AUG-2000		7302									
31-AUG-2000		51270									
31-JUL-2000		38550									
31-JUL-2000		7010									
30-JUN-2000		67520									
30-JUN-2000		5776									
31-MAY-2000		12165									
31-MAY-2000		44970									
30-APR-2000		8905									
30-APR-2000		28750									
31-MAR-2000		191260									
31-MAR-2000		5803									
29-FEB-2000							No Discharge				

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	001
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	M
<u>PARAMETER CODE</u>	Flow rate	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
31-AUG-2012							No Discharge				
31-JUL-2012							No Discharge				
30-JUN-2012							No Discharge				
31-MAY-2012							No Discharge				
30-APR-2012							No Discharge				
31-MAR-2012							No Discharge				
29-FEB-2012							No Discharge				
31-JAN-2012							No Discharge				
31-DEC-2011							No Discharge				
30-NOV-2011							No Discharge				
31-OCT-2011							No Discharge				
30-SEP-2011							No Discharge				

31-AUG-2011						No Discharge			
31-JUL-2011						No Discharge			
30-JUN-2011						No Discharge			
31-MAY-2011						No Discharge			
30-APR-2011						No Discharge			
31-MAR-2011						No Discharge			
28-FEB-2011						No Discharge			
31-JAN-2011						No Discharge			
31-DEC-2010						No Discharge			
30-NOV-2010						No Discharge			
31-OCT-2010						No Discharge			
30-SEP-2010						No Discharge			
31-AUG-2010						No Discharge			
31-JUL-2010						No Discharge			
30-JUN-2010						No Discharge			
31-MAY-2010						No Discharge			
30-APR-2010						No Discharge			

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	M
PARAMETER CODE	Temperature, water deg. fahrenheit	MONITORING LOCATION	Effluent Gross

MONITORING PERIOD END DATE	DMR VALUE DESCRIPTOR	DMR VALUE	DMR UNIT	LIMIT VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION DESCRIPTION	RNC DETECTION DESCRIPTION	RNC DETECTION DATE	RNC RESOLUTION DESCRIPTION
31-MAR-2010							No Discharge				
28-FEB-2010							No Discharge				
31-JAN-2010							No Discharge				
31-DEC-2009							No Discharge				
30-NOV-2009							No Discharge				
31-OCT-2009							No Discharge				
30-SEP-2009							No Discharge				
31-AUG-2009							Analysis Not Conducted/No Sample				

31-JUL-2009					Parameter/Value Not Reported			
30-JUN-2009					No Discharge			
31-MAY-2009	Equals	42						
30-APR-2009					No Discharge			
31-MAR-2009					No Discharge			
28-FEB-2009					No Discharge			
31-JAN-2009					No Discharge			
31-DEC-2008	Equals	40						
30-NOV-2008					No Discharge			
31-OCT-2008					No Discharge			
30-SEP-2008					No Discharge			
31-AUG-2008					No Discharge			
31-JUL-2008					No Discharge			
30-JUN-2008					No Discharge			
31-MAY-2008					No Discharge			
30-APR-2008					No Discharge			
31-MAR-2008					No Discharge			
29-FEB-2008					No Discharge			
31-JAN-2008					No Discharge			
31-DEC-2007					No Discharge			
30-NOV-2007					No Discharge			
31-OCT-2007	Equals	60						
30-SEP-2007	Equals	60						
31-AUG-2007					No Discharge			
31-JUL-2007					No Discharge			
30-JUN-2007					No Discharge			
31-MAY-2007					No Discharge			
30-APR-2007	Equals	50						
31-MAR-2007					No Discharge			
28-FEB-2007					No Discharge			
31-JAN-2007					No Discharge			
31-DEC-2006					No Discharge			
30-NOV-2006					No Discharge			
31-OCT-2006	Equals				No Discharge			
30-SEP-2006	Equals				No Discharge			
31-AUG-2006	Equals				No Discharge			
31-JUL-2006	Equals				No Discharge			
30-JUN-2006					No Discharge			
31-MAY-2006					No Discharge			
30-APR-2006					No Discharge			
31-MAR-2006					No Discharge			
28-FEB-2006					No Discharge			
31-JAN-2006					No Discharge			
31-DEC-2005		44						
30-NOV-2005		46						
31-OCT-2005		56						

30-SEP-2005	65								
31-AUG-2005						No Discharge			
31-JUL-2005	58								
30-JUN-2005	50								
31-MAY-2005	40								
30-APR-2005	38								
31-MAR-2005	35								
28-FEB-2005	40								

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	M
PARAMETER CODE	Temperature, water deg. fahrenheit	MONITORING LOCATION	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
31-JAN-2005		40									
31-DEC-2004		55									
30-NOV-2004		55									
31-OCT-2004							No Discharge				
30-SEP-2004							No Discharge				
31-AUG-2004							No Discharge				
31-JUL-2004		60									
30-JUN-2004		60									
31-MAY-2004							No Discharge				
30-APR-2004							No Discharge				
31-MAR-2004		45									
29-FEB-2004							No Discharge				
31-JAN-2004							No Discharge				
31-DEC-2003		45									
30-NOV-2003		45									
31-OCT-2003		55									
30-SEP-2003							No Discharge				
31-AUG-2003							No Discharge				
31-JUL-2003		65									
30-JUN-2003							No Discharge				
31-MAY-2003							No Discharge				
30-APR-2003		50									
31-MAR-2003		45									

28-FEB-2003	40								
31-JAN-2003	40								
31-DEC-2002	40								
30-NOV-2002	50								
31-OCT-2002						No Discharge			
30-SEP-2002						No Discharge			
31-AUG-2002						No Discharge			
31-JUL-2002	72								
30-JUN-2002	60								
31-MAY-2002	50								
30-APR-2002	60								
31-MAR-2002						No Discharge			
28-FEB-2002						No Discharge			
31-JAN-2002						No Discharge			
31-DEC-2001						No Discharge			
30-NOV-2001						No Discharge			
31-OCT-2001						No Discharge			
30-SEP-2001						No Discharge			
31-AUG-2001						No Discharge			
31-JUL-2001						No Discharge			
30-JUN-2001						No Discharge			
31-MAY-2001						No Discharge			
30-APR-2001						No Discharge			
31-MAR-2001	48								
28-FEB-2001	68								
31-JAN-2001	75								
31-DEC-2000	62								
30-NOV-2000	76								
31-OCT-2000						No Discharge			
30-SEP-2000	89								
31-AUG-2000	84								
31-JUL-2000	73								
30-JUN-2000	57								
31-MAY-2000	61								
30-APR-2000	60								
31-MAR-2000	44								

29-FEB-2000						No Discharge			
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<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	001
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	M
<u>PARAMETER CODE</u>	Temperature, water deg. fahrenheit	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
31-AUG-2012							No Discharge				
31-JUL-2012							No Discharge				
30-JUN-2012							No Discharge				
31-MAY-2012							No Discharge				
30-APR-2012							No Discharge				
31-MAR-2012							No Discharge				
29-FEB-2012							No Discharge				
31-JAN-2012							No Discharge				
31-DEC-2011							No Discharge				
30-NOV-2011							No Discharge				
31-OCT-2011							No Discharge				
30-SEP-2011							No Discharge				
31-AUG-2011							No Discharge				
31-JUL-2011							No Discharge				
30-JUN-2011							No Discharge				
31-MAY-2011							No Discharge				
30-APR-2011							No Discharge				
31-MAR-2011							No Discharge				
28-FEB-2011							No Discharge				
31-JAN-2011							No Discharge				
31-DEC-2010							No Discharge				
30-NOV-2010							No Discharge				

31-OCT-2010						No Discharge			
30-SEP-2010						No Discharge			
31-AUG-2010						No Discharge			
31-JUL-2010						No Discharge			
30-JUN-2010						No Discharge			
31-MAY-2010						No Discharge			
30-APR-2010						No Discharge			

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	001
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	M
<u>PARAMETER CODE</u>	pH	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
31-MAR-2010							No Discharge				
28-FEB-2010							No Discharge				
31-JAN-2010							No Discharge				
31-DEC-2009							No Discharge				
30-NOV-2009							No Discharge				
31-OCT-2009							No Discharge				
30-SEP-2009							No Discharge				
31-AUG-2009							Analysis Not Conducted/No Sample				
31-JUL-2009							Parameter/Value Not Reported				
30-JUN-2009							No Discharge				
31-MAY-2009	Equals	6									
31-MAY-2009	Equals	6.5									
30-APR-2009							No Discharge				
31-MAR-2009							No Discharge				
28-FEB-2009							No Discharge				
31-JAN-2009							No Discharge				
31-DEC-2008	Equals	7.5									
31-DEC-2008	Equals	7									
30-NOV-2008							No Discharge				
31-OCT-2008							No Discharge				
30-SEP-2008							No Discharge				
31-AUG-2008							No Discharge				
31-JUL-2008							No Discharge				
30-JUN-2008							No Discharge				
31-MAY-2008							No Discharge				

30-APR-2008					No Discharge			
31-MAR-2008					No Discharge			
29-FEB-2008					No Discharge			
31-JAN-2008					No Discharge			
31-DEC-2007					No Discharge			
30-NOV-2007					No Discharge			
31-OCT-2007	Equals	7						
30-SEP-2007	Equals	7.7						
31-AUG-2007					No Discharge			
31-JUL-2007					No Discharge			
30-JUN-2007					No Discharge			
31-MAY-2007					No Discharge			
30-APR-2007	Equals	7.7						
31-MAR-2007					No Discharge			
28-FEB-2007					No Discharge			
31-JAN-2007					No Discharge			
31-DEC-2006					No Discharge			
30-NOV-2006					No Discharge			
31-OCT-2006	Equals				No Discharge			
30-SEP-2006	Equals				No Discharge			
31-AUG-2006	Equals				No Discharge			
31-JUL-2006	Equals				No Discharge			
30-JUN-2006					No Discharge			
31-MAY-2006					No Discharge			
30-APR-2006					No Discharge			
31-MAR-2006					No Discharge			
28-FEB-2006					No Discharge			
31-JAN-2006					No Discharge			
31-DEC-2005		7.6						
30-NOV-2005		7.4						
31-OCT-2005		7.2						
30-SEP-2005		7.8						
31-AUG-2005					No Discharge			
31-JUL-2005		7.9						
30-JUN-2005		7.5						
31-MAY-2005		7.8						
30-APR-2005		7.9						
31-MAR-2005		7.8						
28-FEB-2005		7.6						

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	M
PARAMETER CODE	pH	MONITORING LOCATION	Effluent Gross

<u>MONITORING</u> <u>PERIOD END</u> <u>DATE</u>	<u>DMR VALUE</u> <u>DESCRIPTOR</u>	<u>DMR</u> <u>VALUE</u>	<u>DMR</u> <u>UNIT</u>	<u>LIMIT</u> <u>VALUE</u>	<u>LIMIT VALUE</u> <u>DESCRIPTOR</u>	<u>UNIT</u> <u>DESCRIPTION</u>	<u>DISCHARGE</u> <u>IND</u>	<u>MEASUREMENT</u> <u>VIOLATION</u> <u>DESCRIPTION</u>	<u>RNC</u> <u>DETECTION</u> <u>DESCRIPTION</u>	<u>RNC</u> <u>DETECTION</u> <u>DATE</u>	<u>RNC</u> <u>RESOLUTION</u> <u>DESCRIPTION</u>
31-JAN-2005		7									
30-NOV-2004		7.2									
31-OCT-2004							No Discharge				
30-SEP-2004							No Discharge				
31-AUG-2004							No Discharge				
31-JUL-2004		7.3									
30-JUN-2004		7.2									
31-MAY-2004							No Discharge				
30-APR-2004							No Discharge				
31-MAR-2004		7.3									
29-FEB-2004							No Discharge				
31-JAN-2004							No Discharge				
31-DEC-2003		7.6									
30-NOV-2003		7.2									
31-OCT-2003		7.2									
30-SEP-2003							No Discharge				
31-AUG-2003							No Discharge				
31-JUL-2003		7.2									
31-JUL-2003		7.6									
30-JUN-2003							No Discharge				
31-MAY-2003							No Discharge				
30-APR-2003		7.2									
31-MAR-2003		7.2									
28-FEB-2003		7.2									
31-JAN-2003		8.1									
31-DEC-2002		7.8									
30-NOV-2002		7.8									
31-OCT-2002							No Discharge				
30-SEP-2002							No Discharge				
31-AUG-2002							No Discharge				
31-JUL-2002		7.6									
30-JUN-2002		8.2									
31-MAY-2002		7.8									
30-APR-2002		7.5									
31-MAR-2002							No Discharge				

28-FEB-2002						No Discharge			
31-JAN-2002						No Discharge			
31-DEC-2001						No Discharge			
30-NOV-2001						No Discharge			
31-OCT-2001						No Discharge			
30-SEP-2001						No Discharge			
31-AUG-2001						No Discharge			
31-JUL-2001						No Discharge			
30-JUN-2001						No Discharge			
31-MAY-2001						No Discharge			
30-APR-2001						No Discharge			
31-MAR-2001		7.4							
28-FEB-2001		7.9							
31-JAN-2001		7.4							
31-DEC-2000		7.1							
30-NOV-2000		7.4							
31-OCT-2000						No Discharge			
30-SEP-2000		7.4							
31-AUG-2000		7.3							
31-JUL-2000		7.8							
30-JUN-2000		7.8							
31-MAY-2000		7.2							
30-APR-2000		7.6							
31-MAR-2000		8.2							
29-FEB-2000						No Discharge			

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	001
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	M
<u>PARAMETER CODE</u>	pH	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
31-AUG-2012							No Discharge				
31-JUL-2012							No Discharge				
30-JUN-2012							No Discharge				

31-MAY-2012					No Discharge			
30-APR-2012					No Discharge			
31-MAR-2012					No Discharge			
29-FEB-2012					No Discharge			
31-JAN-2012					No Discharge			
31-DEC-2011					No Discharge			
30-NOV-2011					No Discharge			
31-OCT-2011					No Discharge			
30-SEP-2011					No Discharge			
31-AUG-2011					No Discharge			
31-JUL-2011					No Discharge			
30-JUN-2011					No Discharge			
31-MAY-2011					No Discharge			
30-APR-2011					No Discharge			
31-MAR-2011					No Discharge			
28-FEB-2011					No Discharge			
31-JAN-2011					No Discharge			
31-DEC-2010					No Discharge			
30-NOV-2010					No Discharge			
31-OCT-2010					No Discharge			
30-SEP-2010					No Discharge			
31-AUG-2010					No Discharge			
31-JUL-2010					No Discharge			
30-JUN-2010					No Discharge			
31-MAY-2010					No Discharge			
30-APR-2010					No Discharge			

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	001
SEASON NUM	0	REPORT DESIGNATOR	Q

<u>PARAMETER CODE</u>	Solids, total suspended	<u>MONITORING LOCATION</u>	Effluent Gross
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<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
28-FEB-2010							No Discharge				
30-NOV-2009							No Discharge				
31-AUG-2009							Analysis Not Conducted/No Sample				
31-AUG-2009							Conditional Monitoring - Not Required This Period				
31-MAY-2009							Conditional Monitoring - Not Required This Period				
31-MAY-2009	Equals	1.2									
28-FEB-2009	Equals	3									
28-FEB-2009							Conditional Monitoring - Not Required This Period				
30-NOV-2008							No Discharge				
31-AUG-2008							No Discharge				
31-MAY-2008							No Discharge				
29-FEB-2008							No Discharge				
30-NOV-2007							Conditional Monitoring - Not Required This Period				
30-NOV-2007	Less Than	3.3									
31-AUG-2007							Conditional Monitoring - Not Required This Period				
31-AUG-2007	Equals	2.5									
31-MAY-2007							Conditional Monitoring - Not Required This Period				
31-MAY-2007	Less Than	4									
28-FEB-2007							No Discharge				
30-NOV-2006	Less Than	3.5									
30-NOV-2006							Conditional Monitoring - Not Required This Period				
31-AUG-2006							Conditional Monitoring - Not Required This Period				
31-AUG-2006	Less Than	4									
31-MAY-2006							No Discharge				
28-FEB-2006							Conditional Monitoring -				

30-NOV-2005		5				Not Required This Period			
30-NOV-2005						Conditional Monitoring - Not Required This Period			
31-AUG-2005						Conditional Monitoring - Not Required This Period			
31-AUG-2005	Less Than	4							
31-MAY-2005	Less Than	4							
31-MAY-2005						Conditional Monitoring - Not Required This Period			

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	001
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	Q
<u>PARAMETER CODE</u>	Solids, total suspended	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
30-NOV-2004							Conditional Monitoring - Not Required This Period				
30-NOV-2004	Less Than	4									
31-AUG-2004							Conditional Monitoring - Not Required This Period				
31-AUG-2004		7									
31-AUG-2004		14									
31-MAY-2004	Less Than	4									
31-MAY-2004							Conditional Monitoring - Not Required This Period				
29-FEB-2004							Conditional Monitoring - Not Required This Period				
30-NOV-2003	Less Than	4									
30-NOV-2003							Conditional Monitoring - Not Required This Period				
31-AUG-2003	Less Than	4									
31-AUG-2003							Conditional Monitoring - Not Required This Period				
31-MAY-2003							Conditional Monitoring -				

28-FEB-2003						Not Required This Period				
28-FEB-2003		14				Conditional Monitoring - Not Required This Period				
30-NOV-2002						No Discharge				
31-AUG-2002						Conditional Monitoring - Not Required This Period				
31-AUG-2002		4								
28-FEB-2002						No Discharge				
30-NOV-2001						No Discharge				
31-AUG-2001						No Discharge				
31-MAY-2001						Conditional Monitoring - Not Required This Period				
31-MAY-2001		480								
28-FEB-2001						Conditional Monitoring - Not Required This Period				
28-FEB-2001		4								
30-NOV-2000						Conditional Monitoring - Not Required This Period				
30-NOV-2000		4								
31-AUG-2000		3.5								
31-AUG-2000						Conditional Monitoring - Not Required This Period				
31-MAY-2000		5								
31-MAY-2000						Conditional Monitoring - Not Required This Period				

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	001
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	Q
<u>PARAMETER CODE</u>	Solids, total suspended	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
31-AUG-2012							No Discharge				

31-MAY-2012						No Discharge			
29-FEB-2012						No Discharge			
30-NOV-2011						No Discharge			
31-AUG-2011						No Discharge			
31-MAY-2011						No Discharge			
28-FEB-2011						No Discharge			
30-NOV-2010						No Discharge			
31-AUG-2010						No Discharge			
31-MAY-2010						No Discharge			

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	001
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	Q
<u>PARAMETER CODE</u>	Solids, total suspended	<u>MONITORING LOCATION</u>	Intake from Stream

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
28-FEB-2010							No Discharge				
30-NOV-2009							No Discharge				
31-AUG-2009							Conditional Monitoring - Not Required This Period				
31-AUG-2009							Analysis Not Conducted/No Sample				
31-MAY-2009							Conditional Monitoring - Not Required This Period				
31-MAY-2009	Equals	1.2									
28-FEB-2009	Equals	3									
28-FEB-2009							Conditional Monitoring - Not Required This Period				
30-NOV-2008							No Discharge				
31-AUG-2008							No Discharge				
31-MAY-2008							No Discharge				
29-FEB-2008							No Discharge				
30-NOV-2007							Conditional Monitoring - Not Required This Period				
30-NOV-2007	Less Than	3.3									

31-AUG-2007						Conditional Monitoring - Not Required This Period			
31-AUG-2007	Equals	2.5							
31-MAY-2007	Less Than	4							
31-MAY-2007						Conditional Monitoring - Not Required This Period			
28-FEB-2007						No Discharge			
30-NOV-2006	Less Than	3.5							
30-NOV-2006						Conditional Monitoring - Not Required This Period			
31-AUG-2006	Less Than	4							
31-AUG-2006						Conditional Monitoring - Not Required This Period			
31-MAY-2006						No Discharge			
28-FEB-2006						Conditional Monitoring - Not Required This Period			
30-NOV-2005		5							
30-NOV-2005						Conditional Monitoring - Not Required This Period			
31-AUG-2005						Conditional Monitoring - Not Required This Period			
31-AUG-2005	Less Than	4							
31-MAY-2005	Less Than	4							
31-MAY-2005						Conditional Monitoring - Not Required This Period			

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	001
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	Q
<u>PARAMETER CODE</u>	Solids, total suspended	<u>MONITORING LOCATION</u>	Intake from Stream

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
30-NOV-2004	Less Than	4									
30-NOV-2004							Conditional Monitoring - Not Required This Period				
31-AUG-2004							Conditional Monitoring -				

						Not Required This Period			
31-AUG-2004		14							
31-AUG-2004		7							
31-MAY-2004	Less Than	4							
31-MAY-2004						Conditional Monitoring - Not Required This Period			
29-FEB-2004						Conditional Monitoring - Not Required This Period			
30-NOV-2003	Less Than	4							
30-NOV-2003						Conditional Monitoring - Not Required This Period			
31-AUG-2003						Conditional Monitoring - Not Required This Period			
31-AUG-2003	Less Than	4							
31-MAY-2003						Conditional Monitoring - Not Required This Period			
28-FEB-2003		14							
28-FEB-2003						Conditional Monitoring - Not Required This Period			
30-NOV-2002						No Discharge			
31-AUG-2002						Conditional Monitoring - Not Required This Period			
31-AUG-2002		4							
28-FEB-2002						No Discharge			
30-NOV-2001						No Discharge			
31-AUG-2001						No Discharge			
31-MAY-2001		480							
31-MAY-2001						Conditional Monitoring - Not Required This Period			
28-FEB-2001		4							
28-FEB-2001						Conditional Monitoring - Not Required This Period			
30-NOV-2000						Conditional Monitoring - Not Required This Period			

30-NOV-2000		4								
31-AUG-2000		3.5								
31-AUG-2000							Conditional Monitoring - Not Required This Period			
31-MAY-2000							Conditional Monitoring - Not Required This Period			
31-MAY-2000		5								

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	001
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	Q
<u>PARAMETER CODE</u>	Solids, total suspended	<u>MONITORING LOCATION</u>	Intake from Stream

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
31-AUG-2012							No Discharge				
31-MAY-2012							No Discharge				
29-FEB-2012							No Discharge				
30-NOV-2011							No Discharge				
31-AUG-2011							No Discharge				
31-MAY-2011							No Discharge				
28-FEB-2011							No Discharge				
30-NOV-2010							No Discharge				
31-AUG-2010							No Discharge				
31-MAY-2010							No Discharge				

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	001
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	S
<u>PARAMETER CODE</u>	Oxygen demand, chem. (low level) (COD)	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
30-NOV-2009							No Discharge				
31-MAY-2009	Equals	16									
30-NOV-2008							No Discharge				
31-MAY-2008							No Discharge				

30-NOV-2007	Equals	16									
31-MAY-2007	Less Than	10									
30-NOV-2006	Equals	21									
31-MAY-2006							Parameter/Value Not Reported				
30-NOV-2005	Less Than	10									

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	001
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	S
<u>PARAMETER CODE</u>	Oxygen demand, chem. (low level) (COD)	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
30-NOV-2004		14.7									
30-NOV-2004	Less Than	12									
30-NOV-2003							Conditional Monitoring - Not Required This Period				
31-MAY-2003		21									
30-NOV-2002		89									
30-NOV-2002		44									
30-NOV-2001							No Discharge				
31-MAY-2001							Conditional Monitoring - Not Required This Period				
30-NOV-2000		14									

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	001
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	S
<u>PARAMETER CODE</u>	Oxygen demand, chem. (low level) (COD)	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
31-MAY-2012							No Discharge				
30-NOV-2011							No Discharge				
31-MAY-2011							No Discharge				
30-NOV-2010							No Discharge				
31-MAY-2010							No Discharge				

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
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<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	004
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	M
<u>PARAMETER CODE</u>	Flow rate	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
31-MAR-2010							No Discharge				
28-FEB-2010							No Discharge				
31-JAN-2010							No Discharge				
31-DEC-2009							No Discharge				
30-NOV-2009							No Discharge				
31-OCT-2009							No Discharge				
30-SEP-2009							No Discharge				
31-AUG-2009							No Discharge				
31-JUL-2009							No Discharge				
30-JUN-2009							No Discharge				
31-MAY-2009							No Discharge				
30-APR-2009							No Discharge				
31-MAR-2009							No Discharge				
28-FEB-2009							No Discharge				
31-JAN-2009							No Discharge				
31-DEC-2008							No Discharge				
30-NOV-2008							No Discharge				
31-OCT-2008							No Discharge				
30-SEP-2008							No Discharge				
31-AUG-2008							No Discharge				
31-JUL-2008							No Discharge				
30-JUN-2008							No Discharge				
31-MAY-2008							No Discharge				
30-APR-2008							No Discharge				

31-MAR-2008					No Discharge		
29-FEB-2008					No Discharge		
31-JAN-2008					No Discharge		
31-DEC-2007					No Discharge		
30-NOV-2007					No Discharge		
31-OCT-2007					No Discharge		
30-SEP-2007					No Discharge		
31-AUG-2007					No Discharge		
31-JUL-2007					No Discharge		
30-JUN-2007					No Discharge		
31-MAY-2007					No Discharge		
30-APR-2007					No Discharge		
31-MAR-2007					No Discharge		
28-FEB-2007					No Discharge		
31-JAN-2007					No Discharge		
31-DEC-2006					No Discharge		
30-NOV-2006					No Discharge		
31-OCT-2006	Equals				No Discharge		
30-SEP-2006	Equals				No Discharge		
31-AUG-2006	Equals				No Discharge		
31-JUL-2006	Equals				No Discharge		
30-JUN-2006					No Discharge		
31-MAY-2006					No Discharge		
30-APR-2006					No Discharge		
31-MAR-2006					No Discharge		
28-FEB-2006					No Discharge		
31-JAN-2006					No Discharge		
31-DEC-2005					No Discharge		

30-NOV-2005						No Discharge			
31-OCT-2005						No Discharge			
30-SEP-2005						No Discharge			
31-AUG-2005						No Discharge			
31-JUL-2005						No Discharge			
30-JUN-2005						No Discharge			
31-MAY-2005						No Discharge			
30-APR-2005						No Discharge			
31-MAR-2005						No Discharge			
28-FEB-2005						No Discharge			

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	004
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	M
<u>PARAMETER CODE</u>	Flow rate	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
31-JAN-2005							No Discharge				
31-DEC-2004							No Discharge				
30-NOV-2004							No Discharge				
31-OCT-2004							No Discharge				
30-SEP-2004							No Discharge				
31-AUG-2004							No Discharge				
31-JUL-2004							No Discharge				
30-JUN-2004							No Discharge				
31-MAY-2004							No Discharge				
30-APR-2004							No Discharge				
31-MAR-2004							No Discharge				
29-FEB-2004							No Discharge				
31-JAN-2004							No Discharge				

31-DEC-2003					No Discharge				
30-NOV-2003					No Discharge				
31-OCT-2003					No Discharge				
30-SEP-2003					No Discharge				
31-AUG-2003					No Discharge				
31-JUL-2003					No Discharge				
30-JUN-2003					No Discharge				
31-MAY-2003					No Discharge				
30-APR-2003					No Discharge				
31-MAR-2003					No Discharge				
28-FEB-2003					No Discharge				
31-JAN-2003					No Discharge				
31-DEC-2002					No Discharge				
30-NOV-2002					No Discharge				
31-OCT-2002					No Discharge				
30-SEP-2002					No Discharge				
31-AUG-2002	15200								
31-AUG-2002	1558								
31-JUL-2002	18600								
31-JUL-2002	1497								
30-JUN-2002	98200								
30-JUN-2002	24917								
31-MAY-2002	3.052								
31-MAY-2002	80700								
30-APR-2002	70600								
30-APR-2002	8700								
31-MAR-2002	5335								
31-MAR-2002	60200								
28-FEB-2002					Insufficient Flow for Sampling				
31-JAN-2002	10697								
31-JAN-2002	73500								
31-DEC-2001	24400								
31-DEC-2001	4923								
30-NOV-2001	69200								
30-NOV-2001	7853								

31-OCT-2001	48700							
31-OCT-2001	10916							
30-SEP-2001	15640							
30-SEP-2001	52900							
31-AUG-2001	8277							
31-AUG-2001	34700							
31-JUL-2001	37600							
31-JUL-2001	1674							
30-JUN-2001	51500							
30-JUN-2001	7058							
31-MAY-2001	71900							
31-MAY-2001	16937							
30-APR-2001	4912							
30-APR-2001	78200							
31-MAR-2001	15481							
31-MAR-2001	95800							
28-FEB-2001	246							
28-FEB-2001	4700							
31-JAN-2001	13100							
31-JAN-2001	915							
31-DEC-2000	716							
31-DEC-2000	5500							
30-NOV-2000	5420							
30-NOV-2000	47800							
31-OCT-2000	57900							
31-OCT-2000	11152							
30-SEP-2000	57100							
30-SEP-2000	6157							
31-AUG-2000	18639							
31-AUG-2000	142700							
31-JUL-2000	41784							
31-JUL-2000	116300							
30-JUN-2000	74100							
30-JUN-2000	30575							
31-MAY-2000	18597							
31-MAY-2000	31500							
30-APR-2000	27600							
30-APR-2000	22238							
31-MAR-2000	34700							
31-MAR-2000	19142							
29-FEB-2000	26900							
29-FEB-2000	22324							

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPOES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	M

<u>PARAMETER CODE</u>	Flow rate	<u>MONITORING LOCATION</u>	Effluent Gross
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<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
31-AUG-2012							No Discharge				
31-JUL-2012							No Discharge				
30-JUN-2012							No Discharge				
31-MAY-2012							No Discharge				
30-APR-2012							No Discharge				
31-MAR-2012							No Discharge				
29-FEB-2012							No Discharge				
31-JAN-2012							No Discharge				
31-DEC-2011							No Discharge				
30-NOV-2011							No Discharge				
31-OCT-2011							No Discharge				
30-SEP-2011							No Discharge				
31-AUG-2011							No Discharge				
31-JUL-2011							No Discharge				
30-JUN-2011							No Discharge				
31-MAY-2011							No Discharge				
30-APR-2011							No Discharge				
31-MAR-2011							No Discharge				
28-FEB-2011							No Discharge				
31-JAN-2011							No Discharge				
31-DEC-2010							No Discharge				
30-NOV-2010							No Discharge				
31-OCT-2010							No Discharge				
30-SEP-2010							No Discharge				
31-AUG-2010							No Discharge				
31-JUL-2010							No Discharge				

30-JUN-2010						No Discharge			
31-MAY-2010						No Discharge			
30-APR-2010						No Discharge			

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	M
PARAMETER CODE	Temperature, water deg. fahrenheit	MONITORING LOCATION	Effluent Gross

<u>MONITORING</u> <u>PERIOD END</u> <u>DATE</u>	<u>DMR VALUE</u> <u>DESCRIPTOR</u>	<u>DMR</u> <u>VALUE</u>	<u>DMR</u> <u>UNIT</u>	<u>LIMIT</u> <u>VALUE</u>	<u>LIMIT VALUE</u> <u>DESCRIPTOR</u>	<u>UNIT</u> <u>DESCRIPTION</u>	<u>DISCHARGE</u> <u>IND</u>	<u>MEASUREMENT</u> <u>VIOLATION</u> <u>DESCRIPTION</u>	<u>RNC</u> <u>DETECTION</u> <u>DESCRIPTION</u>	<u>RNC</u> <u>DETECTION</u> <u>DATE</u>	<u>RNC</u> <u>RESOLUTION</u> <u>DESCRIPTION</u>
31-MAR-2010							No Discharge				
28-FEB-2010							No Discharge				
31-JAN-2010							No Discharge				
31-DEC-2009							No Discharge				
30-NOV-2009							No Discharge				
31-OCT-2009							No Discharge				
30-SEP-2009							No Discharge				
31-AUG-2009							No Discharge				
31-JUL-2009							No Discharge				
30-JUN-2009							No Discharge				
31-MAY-2009							No Discharge				
30-APR-2009							No Discharge				
31-MAR-2009							No Discharge				
28-FEB-2009							No Discharge				
31-JAN-2009							No Discharge				
31-DEC-2008							No Discharge				
30-NOV-2008							No Discharge				
31-OCT-2008							No Discharge				
30-SEP-2008							No Discharge				
31-AUG-2008							No Discharge				

31-JUL-2008					No Discharge			
30-JUN-2008					No Discharge			
31-MAY-2008					No Discharge			
30-APR-2008					No Discharge			
31-MAR-2008					No Discharge			
29-FEB-2008					No Discharge			
31-JAN-2008					No Discharge			
31-DEC-2007					No Discharge			
30-NOV-2007					No Discharge			
31-OCT-2007					No Discharge			
30-SEP-2007					No Discharge			
31-AUG-2007					No Discharge			
31-JUL-2007					No Discharge			
30-JUN-2007					No Discharge			
31-MAY-2007					No Discharge			
30-APR-2007					No Discharge			
31-MAR-2007					No Discharge			
28-FEB-2007					No Discharge			
31-JAN-2007					No Discharge			
31-DEC-2006					No Discharge			
30-NOV-2006					No Discharge			
31-OCT-2006	Equals				No Discharge			
30-SEP-2006	Equals				No Discharge			
31-AUG-2006	Equals				No Discharge			
31-JUL-2006	Equals				No Discharge			
30-JUN-2006					No Discharge			
31-MAY-2006					No Discharge			
30-APR-2006					No Discharge			

31-MAR-2006						No Discharge			
28-FEB-2006						No Discharge			
31-JAN-2006						No Discharge			
31-DEC-2005						No Discharge			
30-NOV-2005						No Discharge			
31-OCT-2005						No Discharge			
30-SEP-2005						No Discharge			
31-AUG-2005						No Discharge			
31-JUL-2005						No Discharge			
30-JUN-2005						No Discharge			
31-MAY-2005						No Discharge			
30-APR-2005						No Discharge			
31-MAR-2005						No Discharge			
28-FEB-2005						No Discharge			

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	004
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	M
<u>PARAMETER CODE</u>	Temperature, water deg. fahrenheit	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
31-JAN-2005							No Discharge				
31-DEC-2004							No Discharge				
30-NOV-2004							No Discharge				
31-OCT-2004							No Discharge				
30-SEP-2004							No Discharge				
31-AUG-2004							No Discharge				
31-JUL-2004							No Discharge				
30-JUN-2004							No Discharge				
31-MAY-2004							No Discharge				

30-APR-2004					No Discharge			
31-MAR-2004					No Discharge			
29-FEB-2004					No Discharge			
31-JAN-2004					No Discharge			
31-DEC-2003					No Discharge			
30-NOV-2003					No Discharge			
31-OCT-2003					No Discharge			
30-SEP-2003					No Discharge			
31-AUG-2003					No Discharge			
31-JUL-2003					No Discharge			
30-JUN-2003					No Discharge			
31-MAY-2003					No Discharge			
30-APR-2003					No Discharge			
31-MAR-2003					No Discharge			
28-FEB-2003					No Discharge			
31-JAN-2003					No Discharge			
31-DEC-2002					No Discharge			
30-NOV-2002					No Discharge			
31-OCT-2002					No Discharge			
30-SEP-2002					No Discharge			
31-AUG-2002	66							
31-JUL-2002	68							
30-JUN-2002	65							
31-MAY-2002	59							
30-APR-2002	50							
31-MAR-2002	53							
28-FEB-2002					Insufficient Flow for Sampling			
31-JAN-2002	46							
31-DEC-2001	88							
30-NOV-2001	70							
31-OCT-2001	69							
30-SEP-2001	70							
31-AUG-2001	73							

31-JUL-2001	72								
30-JUN-2001	69								
31-MAY-2001	64								
30-APR-2001	41								
31-MAR-2001	50								
28-FEB-2001	51								
31-JAN-2001	48								
31-DEC-2000	62								
30-NOV-2000	77								
31-OCT-2000	87								
30-SEP-2000	74								
31-AUG-2000	74								
31-JUL-2000	73								
30-JUN-2000	61								
31-MAY-2000	57								
30-APR-2000	49								
31-MAR-2000	48								
29-FEB-2000	42								

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	004
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	M
<u>PARAMETER CODE</u>	Temperature, water deg. fahrenheit	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
31-AUG-2012							No Discharge				
31-JUL-2012							No Discharge				
30-JUN-2012							No Discharge				
31-MAY-2012							No Discharge				
30-APR-2012							No Discharge				
31-MAR-2012							No Discharge				
29-FEB-2012							No Discharge				
31-JAN-2012							No Discharge				
31-DEC-2011							No Discharge				
30-NOV-2011							No Discharge				
31-OCT-2011							No Discharge				
30-SEP-2011							No Discharge				

31-AUG-2011						No Discharge			
31-JUL-2011						No Discharge			
30-JUN-2011						No Discharge			
31-MAY-2011						No Discharge			
30-APR-2011						No Discharge			
31-MAR-2011						No Discharge			
28-FEB-2011						No Discharge			
31-JAN-2011						No Discharge			
31-DEC-2010						No Discharge			
30-NOV-2010						No Discharge			
31-OCT-2010						No Discharge			
30-SEP-2010						No Discharge			
31-AUG-2010						No Discharge			
31-JUL-2010						No Discharge			
30-JUN-2010						No Discharge			
31-MAY-2010						No Discharge			
30-APR-2010						No Discharge			

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	004
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	M
<u>PARAMETER CODE</u>	pH	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
31-MAR-2010							No Discharge				
28-FEB-2010							No Discharge				
31-JAN-2010							No Discharge				
31-DEC-2009							No Discharge				
30-NOV-2009							No Discharge				
31-OCT-2009							No Discharge				

[illegible]

31-MAY-2007					No Discharge				
30-APR-2007					No Discharge				
31-MAR-2007					No Discharge				
28-FEB-2007					No Discharge				
31-JAN-2007					No Discharge				
31-DEC-2006					No Discharge				
30-NOV-2006					No Discharge				
31-OCT-2006	Equals				No Discharge				
30-SEP-2006	Equals				No Discharge				
31-AUG-2006	Equals				No Discharge				
31-JUL-2006	Equals				No Discharge				
30-JUN-2006					No Discharge				
31-MAY-2006					No Discharge				
30-APR-2006					No Discharge				
31-MAR-2006					No Discharge				
28-FEB-2006					No Discharge				
31-JAN-2006					No Discharge				
31-DEC-2005					No Discharge				
30-NOV-2005					No Discharge				
31-OCT-2005					No Discharge				
30-SEP-2005					No Discharge				
31-AUG-2005					No Discharge				
31-JUL-2005					No Discharge				
30-JUN-2005					No Discharge				
31-MAY-2005					No Discharge				
30-APR-2005					No Discharge				
31-MAR-2005					No Discharge				
28-FEB-2005					No Discharge				

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	004
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	M
<u>PARAMETER CODE</u>	pH	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
31-JAN-2005							No Discharge				
31-DEC-2004							No Discharge				
30-NOV-2004							No Discharge				
31-OCT-2004							No Discharge				
30-SEP-2004							No Discharge				
31-AUG-2004							No Discharge				
31-JUL-2004							No Discharge				
30-JUN-2004							No Discharge				
31-MAY-2004							No Discharge				
30-APR-2004							No Discharge				
31-MAR-2004							No Discharge				
29-FEB-2004							No Discharge				
31-JAN-2004							No Discharge				
31-DEC-2003							No Discharge				
30-NOV-2003							No Discharge				
31-OCT-2003							No Discharge				
30-SEP-2003							No Discharge				
31-AUG-2003							No Discharge				
31-JUL-2003							No Discharge				
30-JUN-2003							No Discharge				
31-MAY-2003							No Discharge				
30-APR-2003							No Discharge				
31-MAR-2003							No Discharge				
28-FEB-2003							No Discharge				

31-JAN-2003					No Discharge			
31-DEC-2002					No Discharge			
30-NOV-2002					No Discharge			
31-OCT-2002					No Discharge			
30-SEP-2002					No Discharge			
31-AUG-2002	7.4							
31-JUL-2002	7.6							
30-JUN-2002	7.3							
31-MAY-2002	7.8							
30-APR-2002	7.2							
31-MAR-2002	7.2							
28-FEB-2002					Insufficient Flow for Sampling			
31-JAN-2002	8.2							
31-DEC-2001	7.8							
30-NOV-2001	7.6							
31-OCT-2001	8.2							
30-SEP-2001	7.7							
31-AUG-2001	7.7							
31-JUL-2001	8							
30-JUN-2001	7.7							
31-MAY-2001	7.5							
30-APR-2001	8							
31-MAR-2001	7.4							
28-FEB-2001	7.8							
31-JAN-2001	7.2							
31-DEC-2000	7.6							
30-NOV-2000	7.5							
31-OCT-2000	8							
30-SEP-2000	8.2							
31-AUG-2000	7.6							
31-JUL-2000	7.9							
30-JUN-2000	7.9							
31-MAY-2000	8.3							
30-APR-2000	7.8							
31-MAR-2000	7.1							
29-FEB-2000	7.1							

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	M
PARAMETER CODE	pH	MONITORING LOCATION	Effluent Gross

<u>MONITORING</u> <u>PERIOD END</u> <u>DATE</u>	<u>DMR VALUE</u> <u>DESCRIPTOR</u>	<u>DMR</u> <u>VALUE</u>	<u>DMR</u> <u>UNIT</u>	<u>LIMIT</u> <u>VALUE</u>	<u>LIMIT VALUE</u> <u>DESCRIPTOR</u>	<u>UNIT</u> <u>DESCRIPTION</u>	<u>DISCHARGE</u> <u>IND</u>	<u>MEASUREMENT</u> <u>VIOLATION</u> <u>DESCRIPTION</u>	<u>RNC</u> <u>DETECTION</u> <u>DESCRIPTION</u>	<u>RNC</u> <u>DETECTION</u> <u>DATE</u>	<u>RNC</u> <u>RESOLUTION</u> <u>DESCRIPTION</u>
31-AUG-2012							No Discharge				
31-JUL-2012							No Discharge				
30-JUN-2012							No Discharge				
31-MAY-2012							No Discharge				
30-APR-2012							No Discharge				
31-MAR-2012							No Discharge				
29-FEB-2012							No Discharge				
31-JAN-2012							No Discharge				
31-DEC-2011							No Discharge				
30-NOV-2011							No Discharge				
31-OCT-2011							No Discharge				
30-SEP-2011							No Discharge				
31-AUG-2011							No Discharge				
31-JUL-2011							No Discharge				
30-JUN-2011							No Discharge				
31-MAY-2011							No Discharge				
30-APR-2011							No Discharge				
31-MAR-2011							No Discharge				
28-FEB-2011							No Discharge				
31-JAN-2011							No Discharge				
31-DEC-2010							No Discharge				
30-NOV-2010							No Discharge				
31-OCT-2010							No Discharge				
30-SEP-2010							No Discharge				
31-AUG-2010							No Discharge				
31-JUL-2010							No Discharge				
30-JUN-2010							No Discharge				

31-MAY-2010						No Discharge			
30-APR-2010						No Discharge			

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	004
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	Q
<u>PARAMETER CODE</u>	Solids, total suspended	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
28-FEB-2010							No Discharge				
30-NOV-2009							No Discharge				
31-AUG-2009							No Discharge				
31-MAY-2009							No Discharge				
28-FEB-2009							No Discharge				
30-NOV-2008							No Discharge				
31-AUG-2008							No Discharge				
31-MAY-2008							No Discharge				
29-FEB-2008							No Discharge				
30-NOV-2007							No Discharge				
31-AUG-2007							No Discharge				
31-MAY-2007							No Discharge				
28-FEB-2007							No Discharge				
30-NOV-2006							No Discharge				
31-AUG-2006	Equals						No Discharge				
31-MAY-2006							No Discharge				
28-FEB-2006							No Discharge				
30-NOV-2005							No Discharge				
31-AUG-2005							No Discharge				
31-MAY-2005							No Discharge				

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
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<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	004
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	Q
<u>PARAMETER CODE</u>	Solids, total suspended	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
30-NOV-2004							No Discharge				
31-AUG-2004							No Discharge				
31-MAY-2004							No Discharge				
29-FEB-2004							No Discharge				
30-NOV-2003							No Discharge				
31-AUG-2003							No Discharge				
31-MAY-2003							No Discharge				
28-FEB-2003							No Discharge				
30-NOV-2002							No Discharge				
31-AUG-2002		0									
31-MAY-2002		0									
31-MAY-2002							Conditional Monitoring - Not Required This Period				
28-FEB-2002							No Discharge				
28-FEB-2002	Less Than	4									
30-NOV-2001							Below Detection Limit/No Detection				
30-NOV-2001							Conditional Monitoring - Not Required This Period				
31-AUG-2001							Conditional Monitoring - Not Required This Period				
31-AUG-2001		7									
31-MAY-2001							Conditional Monitoring - Not Required This Period				
31-MAY-2001		18									
30-NOV-2000		32									
30-NOV-2000							Conditional Monitoring - Not Required This Period				

31-AUG-2000						Conditional Monitoring - Not Required This Period				
31-AUG-2000	2									
31-MAY-2000	2.5									
31-MAY-2000						Conditional Monitoring - Not Required This Period				

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	004
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	Q
<u>PARAMETER CODE</u>	Solids, total suspended	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
31-AUG-2012							No Discharge				
31-MAY-2012							No Discharge				
29-FEB-2012							No Discharge				
30-NOV-2011							No Discharge				
31-AUG-2011							No Discharge				
31-MAY-2011							No Discharge				
28-FEB-2011							No Discharge				
30-NOV-2010							No Discharge				
31-AUG-2010							No Discharge				
31-MAY-2010							No Discharge				

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	004
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	Q
<u>PARAMETER CODE</u>	Solids, total suspended	<u>MONITORING LOCATION</u>	Intake from Stream

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
28-FEB-2010							No Discharge				
30-NOV-2009							No Discharge				
31-AUG-2009							No Discharge				

31-MAY-2009						No Discharge			
28-FEB-2009						No Discharge			
30-NOV-2008						No Discharge			
31-AUG-2008						No Discharge			
31-MAY-2008						No Discharge			
29-FEB-2008						No Discharge			
30-NOV-2007						No Discharge			
31-AUG-2007						No Discharge			
31-MAY-2007						No Discharge			
28-FEB-2007						No Discharge			
30-NOV-2006						No Discharge			
31-AUG-2006	Equals					No Discharge			
31-MAY-2006						No Discharge			
28-FEB-2006						No Discharge			
30-NOV-2005						No Discharge			
31-AUG-2005						No Discharge			
31-MAY-2005						No Discharge			

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	004
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	Q
<u>PARAMETER CODE</u>	Solids, total suspended	<u>MONITORING LOCATION</u>	Intake from Stream

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
30-NOV-2004							No Discharge				
31-AUG-2004							No Discharge				
31-MAY-2004							No Discharge				
29-FEB-2004							No Discharge				
30-NOV-2003							No Discharge				
31-AUG-2003							No Discharge				

31-MAY-2003						No Discharge			
28-FEB-2003						No Discharge			
30-NOV-2002						No Discharge			
31-AUG-2002	0								
31-MAY-2002	0								
31-MAY-2002						Conditional Monitoring - Not Required This Period			
28-FEB-2002						No Discharge			
28-FEB-2002	Less Than	4							
30-NOV-2001						Below Detection Limit/No Detection			
30-NOV-2001						Conditional Monitoring - Not Required This Period			
31-AUG-2001						Conditional Monitoring - Not Required This Period			
31-AUG-2001	7								
31-MAY-2001	18								
31-MAY-2001						Conditional Monitoring - Not Required This Period			
30-NOV-2000	32								
30-NOV-2000						Conditional Monitoring - Not Required This Period			
31-AUG-2000						Conditional Monitoring - Not Required This Period			
31-AUG-2000	2								
31-MAY-2000	2.5								
31-MAY-2000						Conditional Monitoring - Not Required This Period			

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	004
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	Q
<u>PARAMETER CODE</u>	Solids, total suspended	<u>MONITORING LOCATION</u>	Intake from Stream

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
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31-AUG-2012						No Discharge				
31-MAY-2012						No Discharge				
29-FEB-2012						No Discharge				
30-NOV-2011						No Discharge				
31-AUG-2011						No Discharge				
31-MAY-2011						No Discharge				
28-FEB-2011						No Discharge				
30-NOV-2010						No Discharge				
31-AUG-2010						No Discharge				
31-MAY-2010						No Discharge				

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	004
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	S
<u>PARAMETER CODE</u>	Oxygen demand, chem. (low level) (COD)	<u>MONITORING LOCATION</u>	Effluent Gross

<u>MONITORING PERIOD END DATE</u>	<u>DMR VALUE DESCRIPTOR</u>	<u>DMR VALUE</u>	<u>DMR UNIT</u>	<u>LIMIT VALUE</u>	<u>LIMIT VALUE DESCRIPTOR</u>	<u>UNIT DESCRIPTION</u>	<u>DISCHARGE IND</u>	<u>MEASUREMENT VIOLATION DESCRIPTION</u>	<u>RNC DETECTION DESCRIPTION</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION DESCRIPTION</u>
30-NOV-2009							No Discharge				
31-MAY-2009							No Discharge				
30-NOV-2008							No Discharge				
31-MAY-2008							No Discharge				
30-NOV-2007							No Discharge				
31-MAY-2007							No Discharge				
30-NOV-2006							No Discharge				
31-MAY-2006							No Discharge				
30-NOV-2005							No Discharge				

<u>FACILITY NAME (1)</u>	VANDEMARK CHEMICAL, INC.	<u>NPDES</u>	NY0204323
<u>LIMIT TYPE</u>	Enforceable	<u>PIPE NUMBER</u>	004
<u>SEASON NUM</u>	0	<u>REPORT DESIGNATOR</u>	S
<u>PARAMETER CODE</u>	Oxygen demand, chem. (low level) (COD)	<u>MONITORING LOCATION</u>	Effluent Gross

MONITORING PERIOD END DATE	DMR VALUE DESCRIPTOR	DMR VALUE	DMR UNIT	LIMIT VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION DESCRIPTION	RNC DETECTION DESCRIPTION	RNC DETECTION DATE	RNC RESOLUTION DESCRIPTION
30-NOV-2004							No Discharge				
31-MAY-2004							No Discharge				
30-NOV-2003							No Discharge				
31-MAY-2003							No Discharge				
30-NOV-2002		0									
31-MAY-2002		0									
30-NOV-2001		8.7									
31-MAY-2001		328									
30-NOV-2000		14									

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
LIMIT TYPE	Enforceable	PIPE NUMBER	004
SEASON NUM	0	REPORT DESIGNATOR	S
PARAMETER CODE	Oxygen demand, chem. (low level) (COD)	MONITORING LOCATION	Effluent Gross

MONITORING PERIOD END DATE	DMR VALUE DESCRIPTOR	DMR VALUE	DMR UNIT	LIMIT VALUE	LIMIT VALUE DESCRIPTOR	UNIT DESCRIPTION	DISCHARGE IND	MEASUREMENT VIOLATION DESCRIPTION	RNC DETECTION DESCRIPTION	RNC DETECTION DATE	RNC RESOLUTION DESCRIPTION
31-MAY-2012							No Discharge				
30-NOV-2011							No Discharge				
31-MAY-2011							No Discharge				
30-NOV-2010							No Discharge				
31-MAY-2010							No Discharge				

Compliance Schedules and Violations

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
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Compliance Schedule Violations

Compliance Schedule Violations						
<u>SCHEDULE NUMBER</u>	<u>DATA SOURCE</u>	<u>VIOLATION</u>	<u>RNC DETECTION CODE</u>	<u>RNC DETECTION DATE</u>	<u>RNC RESOLUTION CODE</u>	<u>RNC RESOLUTION DATE</u>
400022999	DMR, Monitor Only - Overdue	DMR, Monitor Only - Overdue	Non-Receipt of DMR/Schedule Report	28-OCT-2001	RE - Back into Compliance	11-JAN-2002
400022999	DMR, Monitor Only - Overdue	DMR, Monitor Only - Overdue	Non-receipt Violation, Non- Monthly Average	28-OCT-2001	RE - Back into Compliance	11-JAN-2002
400022999	DMR, Limited - Overdue	DMR, Limited - Overdue	Non-Receipt of DMR/Schedule Report	02-MAR-2002	RE - Back into Compliance	20-JUN-2002
400022999	DMR, Monitor Only - Overdue	DMR, Monitor Only - Overdue	Non-receipt Violation, Non- Monthly Average	02-MAR-2002	RE - Back into Compliance	20-JUN-2002
400022999	DMR, Monitor Only - Overdue	DMR, Monitor Only - Overdue	Non-Receipt of DMR/Schedule Report	27-APR-2002	RE - Back into Compliance	01-AUG-2002

400022999	DMR, Monitor Only - Overdue	Non-receipt Violation, Non-Monthly Average	27-APR-2002	RE - Back into Compliance	01-AUG-2002
400022999	DMR, Limited - Overdue	Non-Receipt of DMR/Schedule Report	30-OCT-2002	RE - Back into Compliance	25-NOV-2002
400022999	DMR, Monitor Only - Overdue	Non-receipt Violation, Non-Monthly Average	30-OCT-2002	RE - Back into Compliance	25-NOV-2002
400022999	DMR, Monitor Only - Overdue	Non-Receipt of DMR/Schedule Report	31-MAY-2003	RE - Manual by Back into Compliance/Administratively Resolved	31-MAY-2003
400022999	DMR, Monitor Only - Overdue	Non-receipt Violation, Non-Monthly Average	31-MAY-2003	RE - Manual by Back into Compliance/Administratively Resolved	31-MAY-2003
400022999	DMR, Monitor Only - Overdue	Non-Receipt of DMR/Schedule Report	31-AUG-2003	RE - Manual by Back into Compliance/Administratively Resolved	31-AUG-2003
400022999	DMR, Monitor Only - Overdue	Non-Receipt of DMR/Schedule Report	29-FEB-2004	RE - Manual by Back into Compliance/Administratively Resolved	29-FEB-2004
400022999	DMR, Monitor Only - Overdue	Non-receipt Violation, Non-Monthly Average	29-FEB-2004	RE - Manual by Back into Compliance/Administratively Resolved	29-FEB-2004
400022999	DMR, Monitor Only - Overdue	Non-Receipt of DMR/Schedule Report	31-MAY-2004	RE - Two Years Past Detection (System Administratively Resolved)	30-SEP-2011
400022999	DMR, Monitor Only - Overdue	Non-receipt Violation, Non-Monthly Average	31-MAY-2004	RE - Two Years Past Detection (System Administratively Resolved)	30-SEP-2011
400022998	DMR, Monitor Only - Overdue	Non-Receipt of DMR/Schedule Report	28-FEB-2006	RE - Two Years Past Detection (System Administratively Resolved)	30-SEP-2011
400022998	DMR, Monitor Only - Overdue	Non-receipt Violation, Non-Monthly Average	28-FEB-2006	RE - Two Years Past Detection (System Administratively Resolved)	30-SEP-2011
400022998	DMR, Monitor Only - Overdue	Non-Receipt of DMR/Schedule Report	29-JUL-2006	RE - Two Years Past Detection (System Administratively Resolved)	30-SEP-2011
400022998	DMR, Monitor Only - Overdue	Non-receipt Violation, Non-Monthly Average	29-JUL-2006	RE - Two Years Past Detection (System Administratively Resolved)	30-SEP-2011
400022998	DMR, Monitor Only - Overdue	Non-receipt Violation, Non-Monthly Average	29-OCT-2006	RE - Two Years Past Detection (System Administratively Resolved)	30-SEP-2011
400022998	DMR, Limited - Overdue	Non-receipt Violation, Non-Monthly Average	28-SEP-2009	RE - Two Years Past Detection (System Administratively Resolved)	30-SEP-2011
400022998	DMR, Limited - Overdue	Non-receipt Violation, Non-Monthly Average	29-OCT-2009	RE - Two Years Past Detection (System Administratively Resolved)	29-OCT-2011
400022998	DMR, Monitor Only - Overdue	Non-Receipt of DMR/Schedule Report	29-OCT-2009	RE - Two Years Past Detection (System Administratively Resolved)	29-OCT-2011
400022998	DMR, Monitor Only - Overdue	Non-receipt Violation, Non-Monthly Average	29-OCT-2009	RE - Two Years Past Detection (System Administratively Resolved)	29-OCT-2011
400022998	DMR, Limited - Overdue				
400022999	DMR, Limited - Overdue				
400022999	DMR, Monitor Only - Overdue				

No Compliance Schedules Found.

Pretreatment Inspections/Audits

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
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No ICIS Pretreatment Inspections Found.

Pretreatment Performance Summary

FACILITY NAME (1)	VANDEMARK CHEMICAL, INC.	NPDES	NY0204323
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[http://iaspub.epa.gov/enviro/ICIS_DETAIL_REPORTS_NPDESID.icis_detail?](http://iaspub.epa.gov/enviro/ICIS_DETAIL_REPORTS_NPDESID.icis_detail?npdesid=NY0204323&npvalue=1&npvalue=13&npvalue=14&npvalue=3&npvalue=4&npvalue=5&npvalue=6&npvalue=13&npvalue=2&npvalue=7&npvalue=8&npvalue=11&npvalue=12)

[npdesid=NY0204323&npvalue=1&npvalue=13&npvalue=14&npvalue=3&npvalue=4&npvalue=5&npvalue=6&npvalue=13&npvalue=2&npvalue=7&npvalue=8&npvalue=11&npvalue=12](http://iaspub.epa.gov/enviro/ICIS_DETAIL_REPORTS_NPDESID.icis_detail?npdesid=NY0204323&npvalue=1&npvalue=13&npvalue=14&npvalue=3&npvalue=4&npvalue=5&npvalue=6&npvalue=13&npvalue=2&npvalue=7&npvalue=8&npvalue=11&npvalue=12)

Note: You are viewing results from the modernized data system, Integrated Compliance Information System (ICIS). The state reporting this data to EPA previously reported the data to a historic data system, Permit Compliance System (PCS). Use the following button to view the historic data from PCS. [Run a PCS Search](#)

Last updated on Thursday, October 11, 2012



Facility Registry System (FRS)

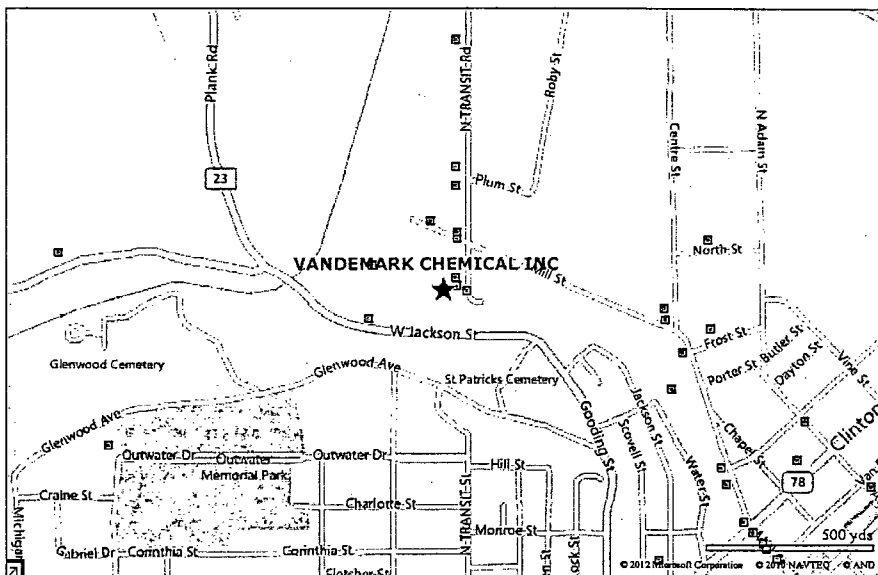
You are here: [EPA Home](#) [Envirofacts](#) [FRS](#) Report

FRS

Facility Detail Report

Report
an
Error

VANDEMARK CHEMICAL INC

1 NORTH TRANSIT ROAD
LOCKPORT, NY 14094-2323
EPA Registry Id: 110000326594

Legend

- ★ Selected Facility
- EPA Facility of Interest
- State/Tribe Facility of Interest

The facility locations displayed come from the FRS Spatial Coordinates tables. They are the best representative locations for the displayed facilities based on the accuracy of the collection method and quality assurance checks performed against each location. The North American Datum of 1983 is used to display all coordinates.

Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests
AIR FACILITY SYSTEM	3606300061	AIR MAJOR (ACTIVE)	AIRS/AFS	09/06/2012	
BIENNIAL REPORTERS	NYD175773779	HAZARDOUS WASTE BIENNIAL REPORTER	RCRAINFO	12/31/2009	
EMISSION INVENTORY SYSTEM (EIS)	7762511	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	EIS		
NEW YORK - FACILITY INFORMATION SYSTEM	9-2909-00107	STATE MASTER	FIS		FIS-9-2909-00107/00001 AIR MAJOR FIS-9-2909-00107/00003 AIR PROGRAM FIS-9-2909-00107/00005 AIR PROGRAM FIS-9-2909-00107/00007 AIR PROGRAM FIS-9-2909-00107/00009 AIR PROGRAM FIS-9-2909-00107/00011 AIR PROGRAM FIS-9-2909-00107/00013 AIR PROGRAM FIS-9-2909-00107/00017 AIR PROGRAM FIS-9-2909-00107/00019 AIR PROGRAM FIS-9-2909-00107/00021 AIR PROGRAM FIS-9-2909-00107/00023 AIR PROGRAM FIS-9-2909-00107/00025 AIR PROGRAM FIS-9-2909-00107/00027 AIR PROGRAM FIS-9-2909-00107/00031 AIR PROGRAM FIS-9-2909-00107/00033 AIR PROGRAM FIS-9-2909-00107/00035 AIR PROGRAM FIS-9-2909-00107/00037 AIR PROGRAM FIS-9-2909-00107/00039 AIR PROGRAM FIS-9-2909-00107/00041 AIR PROGRAM FIS-9-2909-00107/00043 AIR PROGRAM FIS-9-2909-00107/00045 AIR PROGRAM FIS-9-2909-00107/00047 AIR PROGRAM FIS-9-2909-00107/00049 AIR PROGRAM

					FIS-9-2909-00107/00051 AIR PROGRAM FIS-9-2909-00107/00053 AIR PROGRAM FIS-9-2909-00107/00055 AIR PROGRAM FIS-9-2909-00107/00057 AIR PROGRAM FIS-9-2909-00107/00059 AIR PROGRAM FIS-9-2909-00107/00061 AIR PROGRAM FIS-9-2909-00107/00063 AIR PROGRAM FIS-9-2909-00107/00065 AIR PROGRAM FIS-9-2909-00107/00067 AIR PROGRAM FIS-9-2909-00107/00069 AIR PROGRAM FIS-9-2909-00107/00071 AIR PROGRAM FIS-9-2909-00107/00073 AIR PROGRAM FIS-9-2909-00107/00075 AIR PROGRAM FIS-9-2909-00107/00077 AIR PROGRAM FIS-9-2909-00107/00079 AIR PROGRAM FIS-9-2909-00107/00081 AIR PROGRAM FIS-NYD002116192 HAZARDOUS WASTE PROGRAM FIS-9-2909-00107/00029 NPDES PERMIT FIS-9-2909-00107/00083 AIR PROGRAM FIS-9-2909-00107/00089 AIR MAJOR
NATIONAL COMPLIANCE DATABASE	D02#E-02-2004-4209	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 2	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 3	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 4	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 5	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 6	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 7	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 12	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 14	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 15	COMPLIANCE ACTIVITY	NCDB		
NATIONAL EMISSIONS INVENTORY	NEINY0639290	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	NEI		
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	NY0204323	ICIS-NPDES NON-MAJOR	ICIS	03/05/2010	ICIS-ENFORCEMENT/COMPLIANCE ACTIVITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	NYR00F095	ICIS-NPDES NON-MAJOR	ICIS	02/09/2012	ICIS-ENFORCEMENT/COMPLIANCE ACTIVITY
PERMIT COMPLIANCE SYSTEM	NY0204323	NPDES NON-MAJOR	NPDES PERMIT	09/01/2004	
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	NYD002116192	UNSPECIFIED UNIVERSE (INACTIVE)	RCRAINFO	04/22/2010	
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	NYD17573779	LQG (ACTIVE)	RCRAINFO	09/10/2012	
TOXIC RELEASE INVENTORY SYSTEM	14094VNDMR1NORT	TRI REPORTER	TRI REPORTING FORM	06/14/2012	ICIS-02-2004-4209 FORMAL ENFORCEMENT ACTION
TOXIC SUBSTANCES CONTROL ACT	100602833	TSCA SUBMITTER	TSCA	12/31/2005	

Additional EPA Reports: [MyEnvironment](#) [Enforcement and Compliance](#) [Site Demographics](#) [Watershed Report](#)

Standard Industrial Classification Codes (SIC)

Data Source	SIC Code	Description	Primary
NPDES	9999	NONCLASSIFIABLE ESTABLISHMENTS	
FIS	2869	INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED	
NPDES	2869	INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED	
NEI	2869	INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED	
AIRS/AFS	2869	INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED	
FIS	2834	PHARMACEUTICAL PREPARATIONS	
PCS	9999	NONCLASSIFIABLE ESTABLISHMENTS	

National Industry Classification System Codes (NAICS)

Data Source	NAICS Code	Description	Primary
RCRAINFO	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.	
EIS	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.	
RCRAINFO	32511	PETROCHEMICAL MANUFACTURING	
RCRAINFO	325181	ALKALIES AND CHLORINE MANUFACTURING.	
TRIS	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.	
NEI	325		
RCRAINFO	325188	ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING.	
NEI	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.	
FIS	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.	

Facility Codes and Flags

EPA Region:	02
Owns Number:	
Congressional District Number:	26
Legislative District Number:	NY
HUC Code/Watershed:	04130001 / OAK ORCHARD-TWELVEMILE
US Mexico Border Indicator:	NO
Federal Facility:	NO
Tribal Land:	NO

Facility Mailing Addresses

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
LEGALLY RESPONSIBLE PARTY	5 VAUGHN DR STE III	PRINCETON	NJ	08540	FIS
OPERATOR	1 N TRANSIT RD	OPERCITY	NY	99999	RCRAINFO
PRIMARY MAILING ADDRESS	ISOCHEM, INC	LOCKPORT	NY	14094	PCS

http://iaspub.epa.gov/enviro/fii_query_dtl

Alternative Name	Source of Data
VAN DE MARK CHEMICAL, INC	NCDB
VANDEMARK INC.	TRIS
VAN DE MARC LOCKPO	AIR VOLUNTARY SUBMISSION
ISOCHEM INC	AIRS/AFS
VAN DE MARC CHEMICAL CO INC	AIRS/AFS
ISOCHEM INC.	TSCA
VANCHEM, INC	NCDB
VAN CHEM, INC	NPDES PERMIT

Organizations

Affiliation Type	Name	DUNS Number	Information System	Mailing Address
LEGALLY RESPONSIBLE PARTY	VAN DEMARK GROUP		FIS	View
LEGALLY RESPONSIBLE PARTY	SNPE INC		FIS	View
LEGALLY RESPONSIBLE PARTY	ISOICHEM INC		FIS	View
LEGALLY RESPONSIBLE PARTY	VANDEMARK CHEMICAL INC		FIS	View
MAILING ADDRESS	ISOICHEM, INC		NPDES	View
OPERATOR	VAN DE MARK CHEMICAL CO INC		RCRAINFO	View
OPERATOR	VANDEMARK CHEMICAL INC		RCRAINFO	
OWNER	ISOICHEM, INC		NPDES	View
OWNER	ISOICHEM INC.	002116192	TSCA	
OWNER	ISOICHEM, INC		PCS	View
OWNER	SNPE		RCRAINFO	View
OWNER	VANDEMARK CHEMICAL INC.		NPDES	View
OWNER	BUCKINGHAM VANDEMARK HOLDING CORP		RCRAINFO	View
OWNER	BUCKINGHAM VANDEMARK HOLDING CORP		RCRAINFO	View
OWNER/OPERATOR		002116192	AIRS/AFS	

OWNER	ISOICHEM, INC	LOCKPORT	NY	14094	PCS
FACILITY MAILING ADDRESS	1 N TRANSIT RD	LOCKPORT	NY	14094	RCRAINFO
OWNER	ONE NORTH TRANSIT ROAD	LOCKPORT	NY	14094	RCRAINFO
OWNER	1 N TRANSIT RD	LOCKPORT	NY	14094	RCRAINFO
FACILITY MAILING ADDRESS	1 NORTH TRANSIT RD	LOCKPORT	NY	140940000	AIRS/AFS
OWNER	ISOICHEM, INC	LOCKPORT	NY	14094	NPDES
OWNER	5 VAUGHN DR	PRINCETON	NJ	08540	RCRAINFO
REGULATORY CONTACT	ONE NORTH TRANSIT ROAD	LOCKPORT	NY	14094	RCRAINFO
REGULATORY CONTACT	1 N TRANSIT RD	LOCKPORT	NY	14094	RCRAINFO
LEGALLY RESPONSIBLE PARTY	1 NORTH TRANSIT RD	LOCKPORT	NY	14094	FIS
MAILING ADDRESS	ISOICHEM, INC	LOCKPORT	NY	14094	NPDES
OWNER	VANDEMARK CHEMICAL INC.	LOCKPORT	NY	14094	NPDES
FACILITY MAILING ADDRESS	1 N TRANSIT RD	LOCKPORT	NY	14094	TRIS
MAILING ADDRESS	17925 MERIDIAN ST E	PUYALLUP	WA	98373	FIS

Contacts

Affiliation Type	Full Name	Office Phone	Information System	Mailing Address
WATER FEE BILLING CONTACT - SPDES	PAMELA J COOK	7164336764	FIS	
AIR COMPLIANCE CONTACT	MATTHEW BARMASSE	7164336764	FIS	
REGULATORY CONTACT	CHRIS BANACH	7164336764 411	RCRAINFO	View
REGULATORY CONTACT	CHRIS BANACH	7164336764 411	RCRAINFO	View
REGULATORY CONTACT	MATTHEW BARMASSE	7164336764	RCRAINFO	View
COGNIZANT OFFICIAL	MATTHEW BARMASSE		PCS	
WATER DMR AUTHORIZED SIGNER	ROBERT J BIGOS	7164336764	FIS	
WATER FEE BILLING CONTACT - SPDES	MATTHEW BARMASSE	7164336764	FIS	
PUBLIC CONTACT	CHRIS BANACH	7164336764	TRIS	
AIR PERMIT CONTACT	PAMELA J COOK	7164336764	FIS	
AIR COMPLIANCE CONTACT	PAMELA J COOK	7164336764	FIS	
AIR PERMIT CONTACT	MATTHEW BARMASSE	7164336764	FIS	
FACILITY PERMIT CONTACT	GERALD A SCHULTZ	7164336764	FIS	

Query executed on: OCT-11-2012

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Facility Registry System (FRS)

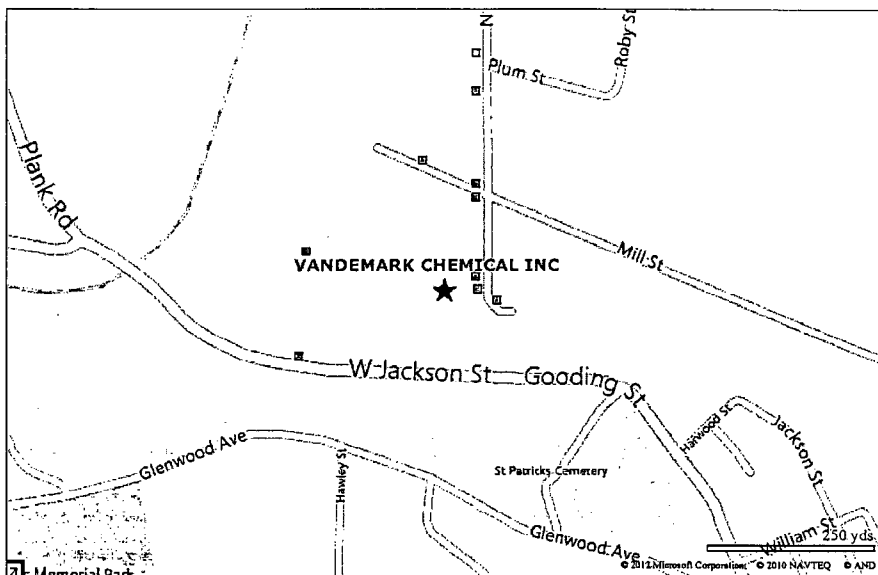
You are here: [EPA Home](#) [Envirofacts](#) [FRS](#) Report

FRS

Facility Detail Report



VANDEMARK CHEMICAL INC

1 NORTH TRANSIT ROAD
LOCKPORT, NY 14094-2323
EPA Registry Id: 110000326594

Legend

- ★ Selected Facility
- EPA Facility of Interest
- State/Tribe Facility of Interest

The facility locations displayed come from the FRS Spatial Coordinates tables. They are the best representative locations for the displayed facilities based on the accuracy of the collection method and quality assurance checks performed against each location. The North American Datum of 1983 is used to display all coordinates.

Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests
AIR FACILITY SYSTEM	3606300061	AIR MAJOR (ACTIVE)	AIRS/AFS	09/06/2012	
BIENNIAL REPORTERS	NYD175773779	HAZARDOUS WASTE BIENNIAL REPORTER	RCRAINFO	12/31/2009	
EMISSION INVENTORY SYSTEM (EIS)	7762511	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	EIS		
NEW YORK - FACILITY INFORMATION SYSTEM	9-2909-00107	STATE MASTER	FIS		FIS-9-2909-00107/00001 AIR MAJOR FIS-9-2909-00107/00003 AIR PROGRAM FIS-9-2909-00107/00005 AIR PROGRAM FIS-9-2909-00107/00007 AIR PROGRAM FIS-9-2909-00107/00009 AIR PROGRAM FIS-9-2909-00107/00011 AIR PROGRAM FIS-9-2909-00107/00013 AIR PROGRAM FIS-9-2909-00107/00017 AIR PROGRAM FIS-9-2909-00107/00019 AIR PROGRAM FIS-9-2909-00107/00021 AIR PROGRAM FIS-9-2909-00107/00023 AIR PROGRAM FIS-9-2909-00107/00025 AIR PROGRAM FIS-9-2909-00107/00027 AIR PROGRAM FIS-9-2909-00107/00031 AIR PROGRAM FIS-9-2909-00107/00033 AIR PROGRAM FIS-9-2909-00107/00035 AIR PROGRAM FIS-9-2909-00107/00037 AIR PROGRAM FIS-9-2909-00107/00039 AIR PROGRAM FIS-9-2909-00107/00041 AIR PROGRAM FIS-9-2909-00107/00043 AIR PROGRAM FIS-9-2909-00107/00045 AIR PROGRAM FIS-9-2909-00107/00047 AIR PROGRAM FIS-9-2909-00107/00049 AIR PROGRAM

					FIS-9-2909-00107/00051 AIR PROGRAM FIS-9-2909-00107/00053 AIR PROGRAM FIS-9-2909-00107/00055 AIR PROGRAM FIS-9-2909-00107/00057 AIR PROGRAM FIS-9-2909-00107/00059 AIR PROGRAM FIS-9-2909-00107/00061 AIR PROGRAM FIS-9-2909-00107/00063 AIR PROGRAM FIS-9-2909-00107/00065 AIR PROGRAM FIS-9-2909-00107/00067 AIR PROGRAM FIS-9-2909-00107/00069 AIR PROGRAM FIS-9-2909-00107/00071 AIR PROGRAM FIS-9-2909-00107/00073 AIR PROGRAM FIS-9-2909-00107/00075 AIR PROGRAM FIS-9-2909-00107/00077 AIR PROGRAM FIS-9-2909-00107/00079 AIR PROGRAM FIS-9-2909-00107/00081 AIR PROGRAM FIS-NYD002116192 HAZARDOUS WASTE PROGRAM FIS-9-2909-00107/00029 NPDES PERMIT FIS-9-2909-00107/00083 AIR PROGRAM FIS-9-2909-00107/00089 AIR MAJOR
NATIONAL COMPLIANCE DATABASE	D02#E-02-2004-4209	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 2	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 3	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 4	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 5	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 6	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 7	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 12	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 14	COMPLIANCE ACTIVITY	NCDB		
NATIONAL COMPLIANCE DATABASE	I02#199108292774 15	COMPLIANCE ACTIVITY	NCDB		
NATIONAL EMISSIONS INVENTORY	NEINY0639290	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	NEI		
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	NY0204321	ICIS-NPDES NON-MAJOR	ICIS	03/05/2010	ICIS- ENFORCEMENT/COMPLIANCE ACTIVITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	NYR00F095	ICIS-NPDES NON-MAJOR	ICIS	02/09/2012	ICIS- ENFORCEMENT/COMPLIANCE ACTIVITY
PERMIT COMPLIANCE SYSTEM	NY0204321	NPDES NON-MAJOR	NPDES PERMIT	09/01/2004	
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	NYD002116192	UNSPECIFIED UNIVERSE (INACTIVE)	RCRAINFO	04/22/2010	
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	NYD17573779	LQG (ACTIVE)	RCRAINFO	09/10/2012	
TOXIC RELEASE INVENTORY SYSTEM	14094VNDMR1NORT	TRI REPORTER	TRI REPORTING FORM	06/14/2012	ICIS-02-2004-4209 FORMAL ENFORCEMENT ACTION
TOXIC SUBSTANCES CONTROL ACT	100602831	TSCA SUBMITTER	TSCA	12/31/2005	

Additional EPA Reports: [MyEnvironment](#) [Enforcement and Compliance](#) [Site Demographics](#) [Watershed Report](#)

Standard Industrial Classification Codes (SIC)

Data Source	SIC Code	Description	Primary
NPDES	9999	NONCLASSIFIABLE ESTABLISHMENTS	
FIS	2869	INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED	
NPDES	2869	INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED	
NEI	2869	INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED	
AIRS/AFS	2869	INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED	
FIS	2834	PHARMACEUTICAL PREPARATIONS	
PCS	9999	NONCLASSIFIABLE ESTABLISHMENTS	

National Industry Classification System Codes (NAICS)

Data Source	NAICS Code	Description	Primary
RCRAINFO	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.	
EIS	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.	
RCRAINFO	32511	PETROCHEMICAL MANUFACTURING	
RCRAINFO	325181	ALKALIES AND CHLORINE MANUFACTURING.	
TRIS	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.	
NEI	325		
RCRAINFO	325188	ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING.	
NEI	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.	
FIS	325199	ALL OTHER BASIC ORGANIC CHEMICAL MANUFACTURING.	

Facility Codes and Flags

EPA Region:	02
Duns Number:	
Congressional District Number:	26
Legislative District Number:	NY
HUC Code/Watershed:	04130001 / OAK ORCHARD-TWELVEMILE
US Mexico Border Indicator:	NO
Federal Facility:	NO
Tribal Land:	NO

Facility Mailing Addresses

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
LEGALLY RESPONSIBLE PARTY	5 VAUGHN DR STE III	PRINCETON	NJ	08540	FIS
OPERATOR	1 N TRANSIT RD	OPERCITY	NY	99999	RCRAINFO
OWNER	ISOCHEM, INC	LOCKPORT	NY	14094	PCS

Alternative Names		http://iaspub.epa.gov/enviro/fii_query_dtl.disp_program_facility?pgm_sys_id_in=NY020...				
Alternative Name	Source of Data	Facility Mailing Address	Primary Mailing Address	Owner	Facility Mailing Address	Owner
VAN DE MARK CHEMICAL, INC	NCDB	1 N TRANSIT RD	ISOICHEM, INC	1 N TRANSIT RD	1 NORTH TRANSIT RD	ISOICHEM, INC
VANDEMARK INC.	TRIS					
VAN DE MARC LOCKPO	AIR VOLUNTARY SUBMISSION					
ISOICHEM INC	AIRS/AFS					
VAN DE MARC CHEMICAL CO INC	AIRS/AFS					
ISOICHEM INC.	TSCA					
VANCHEM, INC	NCDB					
VAN CHEM, INC	NPDES PERMIT					

Organizations				
Affiliation Type	Name	DUNS Number	Information System	Mailing Address
LEGALLY RESPONSIBLE PARTY	VAN DEMARK GROUP		FIS	View
LEGALLY RESPONSIBLE PARTY	SNPE INC		FIS	View
LEGALLY RESPONSIBLE PARTY	ISOICHEM INC		FIS	View
LEGALLY RESPONSIBLE PARTY	VANDEMARK CHEMICAL INC		FIS	View
MAILING ADDRESS	ISOICHEM, INC		NPDES	View
OPERATOR	VAN DE MARK CHEMICAL CO INC		RCRAINFO	View
OPERATOR	VANDEMARK CHEMICAL INC		RCRAINFO	
OWNER	ISOICHEM, INC		NPDES	View
OWNER	ISOICHEM INC.	002116192	TSCA	
OWNER	ISOICHEM, INC		PCS	View
OWNER	SNPE		RCRAINFO	View
OWNER	VANDEMARK CHEMICAL INC.		NPDES	View
OWNER	BUCKINGHAM VANDEMARK HOLDING CORP		RCRAINFO	View
OWNER	BUCKINGHAM VANDEMARK HOLDING CORP		RCRAINFO	View
OWNER/OPERATOR		002116192	AIRS/AFS	

Contacts					
Affiliation Type	Full Name	Office Phone	Information System	Mailing Address	
WATER FEE BILLING CONTACT - SPDES	PAMELA J COOK	7164336764	FIS		
AIR COMPLIANCE CONTACT	MATTHEW BARMASSE	7164336764	FIS		
REGULATORY CONTACT	CHRIS BANACH	7164336764 411	RCRAINFO	View	
REGULATORY CONTACT	CHRIS BANACH	7164336764 411	RCRAINFO	View	
REGULATORY CONTACT	MATTHEW BARMASSE	7164336764	RCRAINFO	View	
COGNIZANT OFFICIAL	MATTHEW BARMASSE		PCS		
WATER DMR AUTHORIZED SIGNER	ROBERT J BIGOS	7164336764	FIS		
WATER FEE BILLING CONTACT - SPDES	MATTHEW BARMASSE	7164336764	FIS		
PUBLIC CONTACT	CHRIS BANACH	7164336764	TRIS		
AIR PERMIT CONTACT	PAMELA J COOK	7164336764	FIS		
AIR COMPLIANCE CONTACT	PAMELA J COOK	7164336764	FIS		
AIR PERMIT CONTACT	MATTHEW BARMASSE	7164336764	FIS		
FACILITY PERMIT CONTACT	GERALD A SCHULTZ	7164336764	FIS		

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